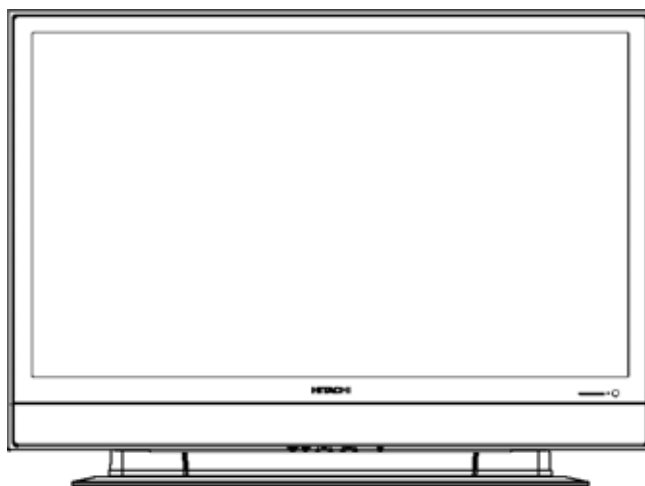


HITACHI

SERVICE MANUAL

No. **TA 007**

42HDF39



Caution

Be sure to read this manual before servicing. To ensure safety from fire, electric shock, injury, harmful radiation and materials, various measures are provided in this Plasma Monitor.

Be sure to read cautionary items described in the manual before servicing.

These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that described in the operating instructions unless you are qualified to do so.

Service Warning

1. Since the Panel Module and the front Filter are made of glass, handling the broken Module and Filter carefully and with caution in order not to receive injury.
2. Replacement work should be started after the Panel Module and the AC/DC Power supply have become sufficiently cool.
3. Special care should be taken when working near the display area in order not to damage its surface.
4. The Panel Module should not be touched with bare hands in order to protect its surface from blemishes and damage.
5. It is recommended that you use clean soft gloves during the replacement work in order to protect not only the display area of the Panel Module but also yourself.

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Updated 3/24/06

Updated 1/31/07

SPECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE FOR IMPROVEMENT.

Plasma Monitor

CAUTION FOR SAFETY

Please read this page before repair the monitor.

The following safety precautions are designed to help you stay safe and prevent accidents during the repair work.

- Please take note of these cautionary flags.

	Warning	This means " Potential to sustain injury or even death. "
	Caution	This means " Potential to sustain breakage or irreparable damage. "

- Also note these cautionary icons

	This means " CAUTION "
	This means " POTENTIAL ELECTRIC SHOCK "

	This means " MUST "
	This means " DO NOT "

 WARNING	
■ Follow instructions. The cabinet, chassis, and labels are parts that require attention. You must follow the caution notes and safety instructions presented throughout this User Manual to prevent damage to them or injury to yourself. 	■ Must use same types of wires and components. The Monitor uses special tubes and tapes made from insulated materials. Moreover, some materials are kept from making contact with the PWB for the sake of safety. Internal leads are kept from hot parts or high voltage parts by means of clamps or other measures. As such, you must restore these parts to their original conditions in order to prevent electric shock or fire. 
■ Prevent electric shock. Exercise caution while working on the device as the Monitor contains high voltage parts and power supply. It is possible to sustain severe injury or death if you accidentally touch the wrong parts. You must disconnect the power supply while servicing, reassembling, or change parts. If you touch a live connection it is possible to sustain severe injury or death. 	■ Perform safety check when done. Every part (such as removed screws, components, and wiring) must be restored to their prior conditions after servicing. Be sure to check everything that was repaired for damage or mistakes. Also measure the insulated impedance with a meg-ohm meter to confirm that the impedance value is more than 4M ohm. If the impedance value is less than 4M ohm, then electric shock or fire may result. 
■ Use recommended components. Use only the recommended components or components that are structurally identical to the originals. This is to ensure safety and reliability. Pay special attention to parts in the parts list and circuit diagrams marked with . If you use non-recommended components, then electric shock or fire may result. 	■ Do not try to check the HDCP code and combination circuit. Never remove the shield case protecting the HDCP code and combination circuit. 

PRECAUTIONS

- **Cleaning the monitor's plasma screen panel**

Before cleaning the monitor, turn it off and disconnect the power plug from the power outlet. To prevent scratching or damaging of the plasma screen face, do not knock or rub the surface with sharp or hard objects. Clean the screen with a soft cloth moistened with warm water and dry with a second soft cloth. If it is not enough, then use a cloth with mild detergent. Do not use harsh or abrasive cleaners.

- **Cleaning the monitor's cabinet**

Use a soft cloth to clean the monitor's cabinet and control panel. When excessively soiled, dilute a neutral detergent in water, wet and wring out the soft cloth in it, gently clean the cabinet, and then wipe it down with a dry soft cloth.

Never use acid/alkaline detergents, alcoholic detergents, abrasive cleaners, powder soaps, OA cleaners, car wax, glass cleaners, and so on. They will cause discoloration, scratches or cracks.

1. Features

- **High definition Plasma display panel**

The 42-inch color plasma display panel, with a resolution of 1024 (H) x 1024(V) pixels, creates a widescreen picture. This panel features a thin form factor and can be hung on a wall with an optional wall mounting kit.

- **High Performance Digital Processor**

This panel displays a wide range of personal computer signals from 640 x 400 VESA, 640 x 480 VGA to 1024 x 768, 1280 x 1024 XGA.(RGB Analog input).

- **Easy-to-use remote control and on-screen display system**

The included remote control operates all Monitor functions. Furthermore, the on-screen display system shows the status of the control settings in an easy-to-view fashion.

- **Power saving system**

When connected to a VESA DPMS-compliant PC, the monitor cuts its power consumption while idle.

2. Specifications

Panel	Display dimensions	Approx. 42inches (922 (H) x 522 (V) mm, diagonal 1059mm)
	Resolution	1024 (H) x 1024 (V) pixels
Net dimensions		1036 (W) x 773 (H) x 300 (D) mm (With stand) ; 1036 (W) x 713 (H) x 121 (D) mm (Without stand)
Net weight		41 kg (With stand) ; 33.6 kg (Without stand)
Ambient conditions	Temperatur	Operating: 0°C to 40°C, Storage: -15°C to 60°C
	Relative umidity	Operating: 20% to 80%, Storage: 20% to 90% (non-condensing)
Power supply		AC100 - 240V, 50/60Hz
Power consumption/at standby		<350W / <1W
Audio output		Built in 10W + 10W (8 Ω) speakers
(RGB input)		
Input signals	Input terminals	• ANALOG RGB input terminal (D-sub 15-pin) • ANALOG RGB/HDMI audio input terminal (3.5mm Stereo Mini Jack)
	Video signals	0.7 Vp-p
	Sync signals	H/V separate, TTL level [2kΩ] H/V composite, TTL level [2kΩ]
Recommended signal		25 modes
(Video input)		
Input signals	Input terminals	• COMPOSITE VIDEO input terminal (RCA) • L/R COMPOSITE AUDIO input terminal (RCA) • S-VIDEO input terminal (RCA) • L/R S-VIDEO AUDIO input terminal (RCA) • Y-P_B/C_B P_R/C_R input terminal (RCA) • L/R Y-P_B/C_B P_R/C_R AUDIO input terminal (RCA) • HDMI input terminal (HDMI 19-pin)
	Video signals	Composite video: PAL, SECAM, NTSC3.58, NTSC4.43 Component - YC _B C _R /YP _B P _R video: 480i, 576i, 480p, 576p, 1080i/50, 1080i/60, 720p/50, 720p/60 S-Video: PAL, SECAM, NTSC4.43, NTSC3.58 HDMI: HDMI input signal
Output Signal		• SUBWOOFER output terminal (RCA) • TV VIDEO output terminal (RCA) • L/R AUDIO output terminal (RCA) • OPTICAL OUT DIGITAL AUDIO output terminal
Recommended signal		9 modes
(TV RF input)		
Input signals	Input terminals	• ANALOG RF input terminal (NTSC) • DIGITAL RF input terminal (ATSC)

- It takes at least 30 minutes to attain the maximum picture quality.

Applicable video signals for each input terminal

Signal Type Terminal	RCA			HDMI	D-sub	Remarks
	Composite Video	S-Video	Component	DVD/STB	RGB	
ANALOG RGB					○	
HDMI				○		
COMPOSITE	○					
S-VIDEO		○				
Y-P _B /C _B P _R /C _R			○			1080i/720p/576p/576i/480p/480i inputs.

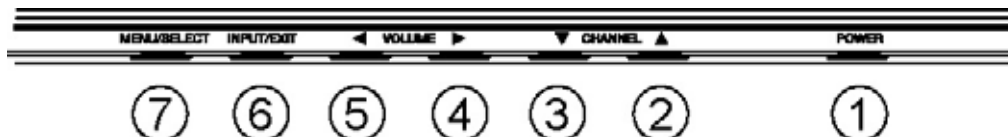
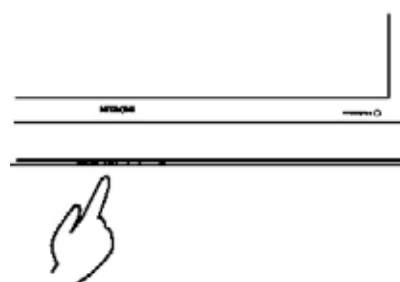
(○: Available)

3. Component names

- Main unit

Control panel

- All Adjustment buttons are located on the bottom of the control panel
- Indications for each button's function can be found on the inside of the control panel cover.



1. POWER

2. UP ▲

3. DOWN ▼

4. VOL ►

4. RIGHT ►

5. VOL ◀

5. LEFT ◀

6. INPUT

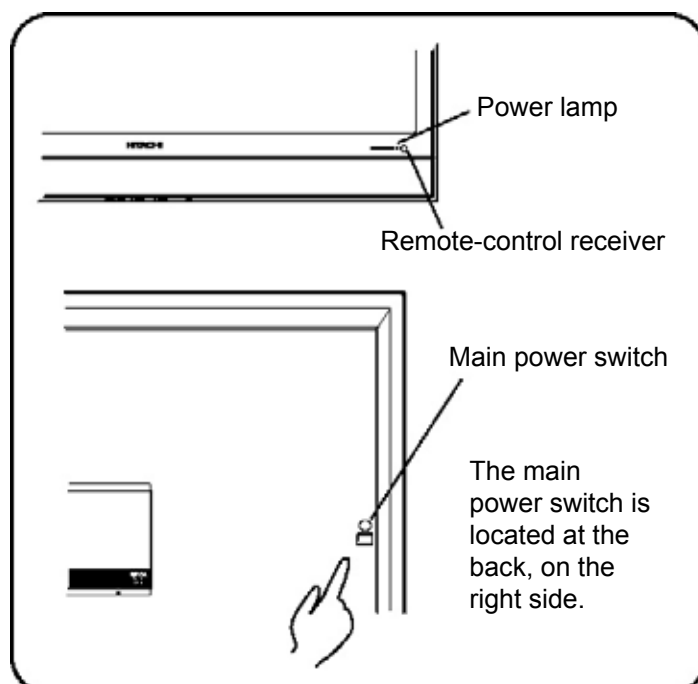
6. EXIT

7. MENU

7. SELECT

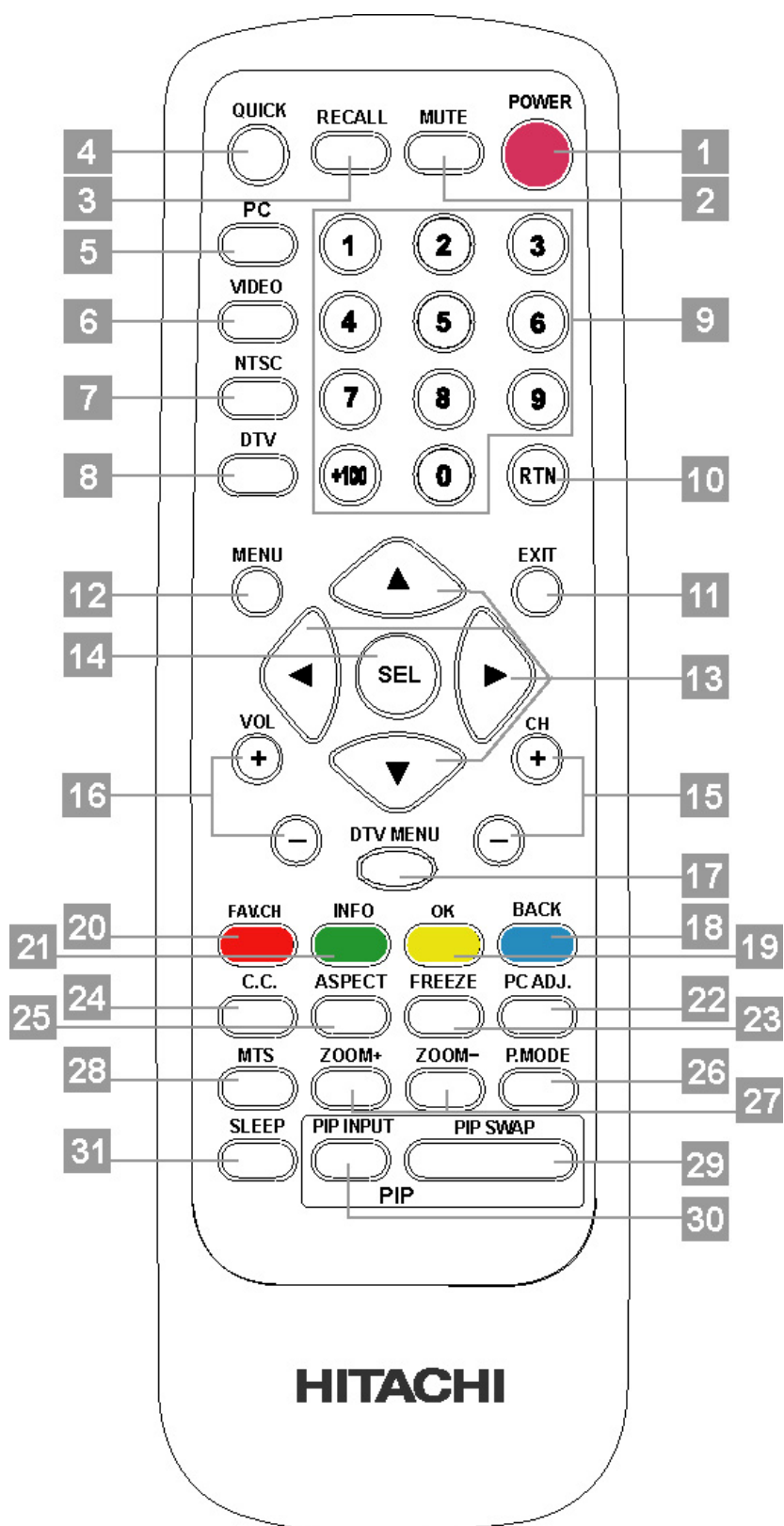
Normal Button Action

Button Action when MENU engaged



● Remote Control

1. Power Button
2. Mute Button
3. Recall Button
4. Quick Buttons
5. PC Buttons
6. Video Buttons
7. NTSC Buttons
8. DTV Button
9. Numbers Button
10. RTN Button
11. Exit Buttons
12. Menu Button
13. Up/Down/Left/Right Button
14. SEL Button
15. Ch +/- Button
16. Vol +/- Button
17. DTV Menu Button
18. Back Button
19. OK Button
20. Fav. ch. Button
21. Info Button
22. PC ADJ. Button
23. Freeze Button
24. C.C. Button
25. Aspect Button
26. P. Mode Button
27. Zoom-/+ Button
28. MTS Button
29. PIP Swap Button
30. PIP Input Button
31. Sleep Button



4. Service points

● Lead-free solder

This product uses lead-free solder (unleaded) to help protect the environment. Please read these instructions before attempting any soldering work.

Caution: Always wear safety glasses to prevent fumes or molten solder from getting into the eyes. Lead-free solder can splatter at high temperatures (600°C).

■ Lead-free solder indicator

Printed circuit boards using lead-free solder are engraved with an "F."

■ Properties of lead-free solder

The melting point of lead-free solder is 40-50°C higher than leaded solder.

■ Servicing solder

Solder with an alloy composition of Sn-3.0Ag-0.5Cu or Sn-0.7Cu is recommended. Although servicing with leaded solder is possible, there are a few precautions that have to be taken. (Not taking these precautions may cause the solder to not harden properly, and lead to consequent malfunctions.)

Precautions when using leaded solder

- Remove all lead-free solder from soldered joints when replacing components.
- If leaded solder should be added to existing lead free joints, mix in the leaded solder thoroughly after the lead-free solder has been completely melted (do not apply the soldering iron without solder).

■ Servicing soldering iron

A soldering iron with a temperature setting capability (temperature control function) is recommended.

The melting point of lead-free solder is higher than leaded solder. Use a soldering iron that maintains a high stable temperature (large heat capacity), and that allows temperature adjustment according to the part being serviced, to avoid poor servicing performance.

Recommended soldering iron:

- Soldering iron with temperature control function (temperature range: 320-450°C)

Recommended temperature range per part:

Part	Soldering iron temperature
Mounting (chips) on mounted PCB	320°C±30°C
Mounting (chips) on empty PCB	380°C±30°C
Chassis, metallic shield, etc.	420°C±30°C

The PWB assembly which has used lead free solder

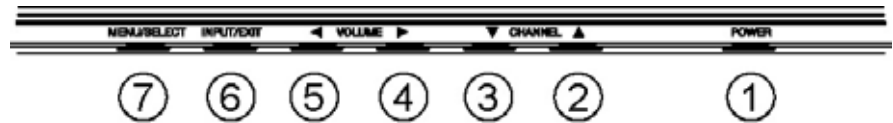
- (1) POWER/EMI PWB, AUDIO POWER PWB, RS-232 PWB, AUDIO PWB, KEY PAD PWB, IR PWB, I/O PWB, CONNECTOR PWB, SPEAKER CONNECTOR PWB, HDMI PWB
- (2) MAIN PWB
- (3) ATSC BOX(Digital Tuner Module) / TUNER
- (4) POWER MODULE
- (5) PDP MODULE (is all lead free solder. X-SUS PWB, Y-SUS PWB, LOGIC PWB, ADDRESS PWB, SDM PWB)

5. Adjustment & Software Update

This model has a factory mode, where the technician can access and adjust some of the color temperature settings. The factory mode has several different appearances, depending on the input signal.

Preliminary

To access the Factory Mode, the Plasma Monitor must be running.



● Color temperature adjustments

Follow the procedures below to make the color temperature adjustments.

Factory setting:

Cool: $x=0.268 \pm 0.01$, $y=0.283 \pm 0.01$

Warm: $x=0.314 \pm 0.01$, $y=0.327 \pm 0.01$

Natural: $x=0.285 \pm 0.01$, $y=0.293 \pm 0.01$

Black & White: $x=0.335 \pm 0.01$, $y=0.343 \pm 0.01$

Note: That a colorimetry meter (such as a Minolta CA-200) is required to measure the actual screen color temperature.

1. Press MENU button on remote control to display the PDP OSD menu.	<table> <tr> <th colspan="2">Video</th></tr> <tr> <td>Picture Mode</td><td>Natural</td></tr> <tr> <td>Brightness</td><td>0~100</td></tr> <tr> <td>Contrast</td><td>0~100</td></tr> <tr> <td>Color</td><td>0~100</td></tr> <tr> <td>Tint</td><td>0~100</td></tr> <tr> <td>Sharpness</td><td>0~31</td></tr> <tr> <td>Color Temperature</td><td>Cool</td></tr> <tr> <td>Reset</td><td></td></tr> </table>	Video		Picture Mode	Natural	Brightness	0~100	Contrast	0~100	Color	0~100	Tint	0~100	Sharpness	0~31	Color Temperature	Cool	Reset	
Video																			
Picture Mode	Natural																		
Brightness	0~100																		
Contrast	0~100																		
Color	0~100																		
Tint	0~100																		
Sharpness	0~31																		
Color Temperature	Cool																		
Reset																			
2. Select to color temperature function page under VIDEO item.	<table> <tr> <th colspan="2">Video</th></tr> <tr> <td>Color Temperature</td><td>Cool</td></tr> </table>	Video		Color Temperature	Cool														
Video																			
Color Temperature	Cool																		
3. Press SLEEP button three times to on remote control to display the adjustment RGB parameter. 4. Press ◀▶ to select Natural or Warm modes.	<table> <tr> <th colspan="2">Video</th></tr> <tr> <td>Color Temperature</td><td>Cool</td></tr> <tr> <td>Red</td><td>. 0~255</td></tr> <tr> <td>Green</td><td>. 0~255</td></tr> <tr> <td>Blue</td><td>. 0~255</td></tr> </table>	Video		Color Temperature	Cool	Red	. 0~255	Green	. 0~255	Blue	. 0~255								
Video																			
Color Temperature	Cool																		
Red	. 0~255																		
Green	. 0~255																		
Blue	. 0~255																		

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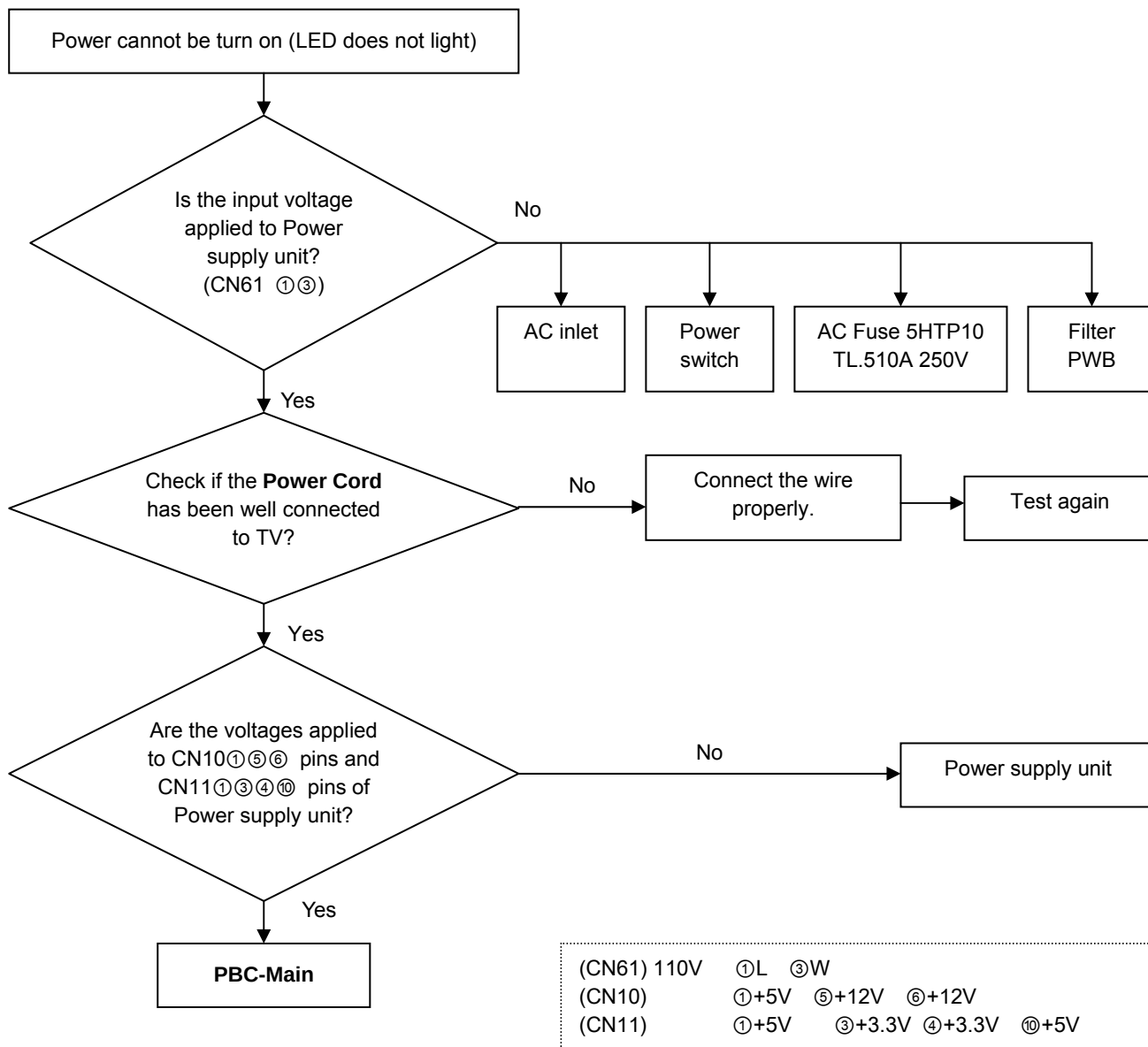
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6. Troubleshooting

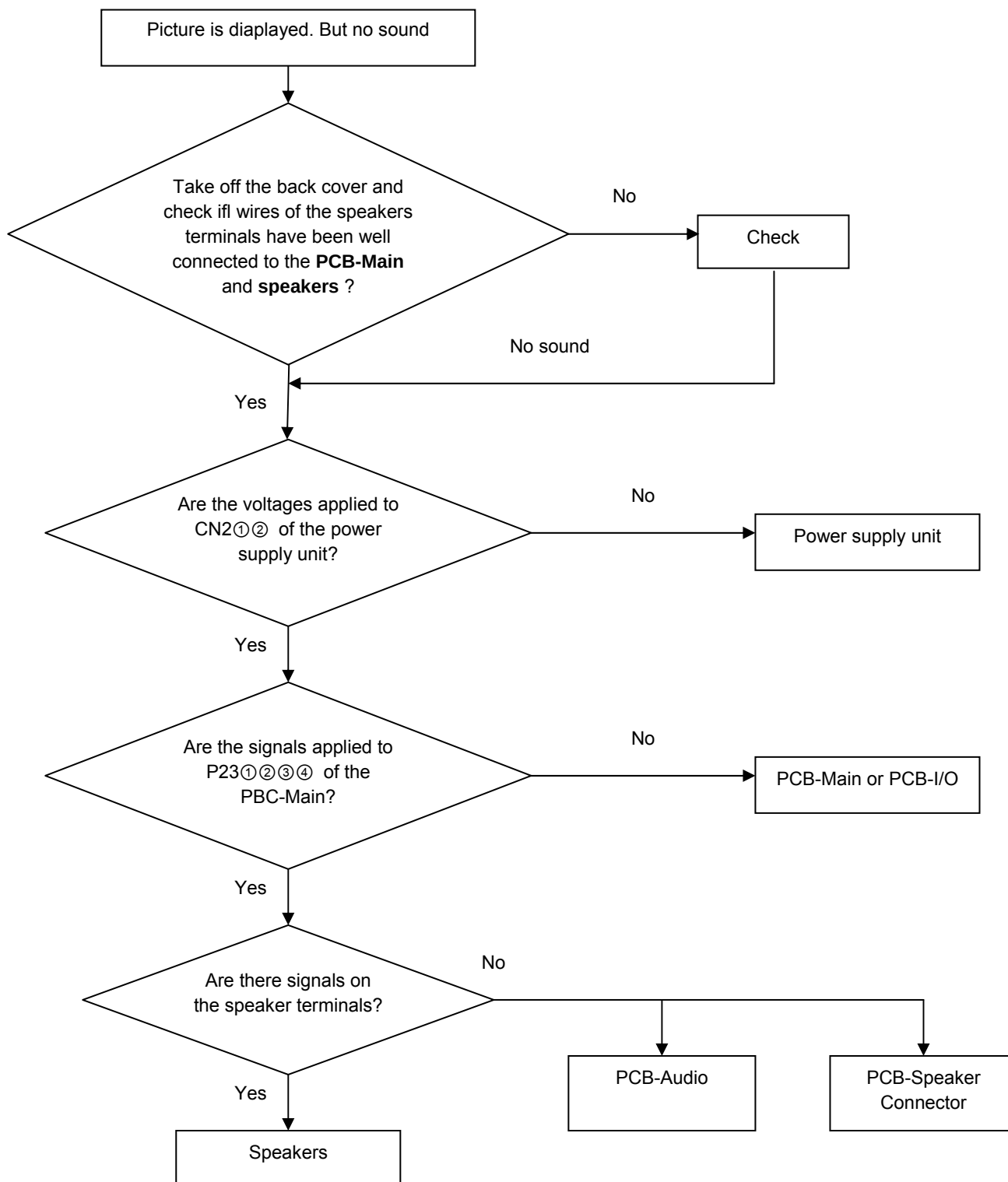
The flow chart shown below will help you to troubleshoot your Monitor set with it doesn't display normally. Each procedure offers a simple way to check for system errors. Before starting, ensure that there is a signal in and that the Monitor is turned on.

● Power turn on issue



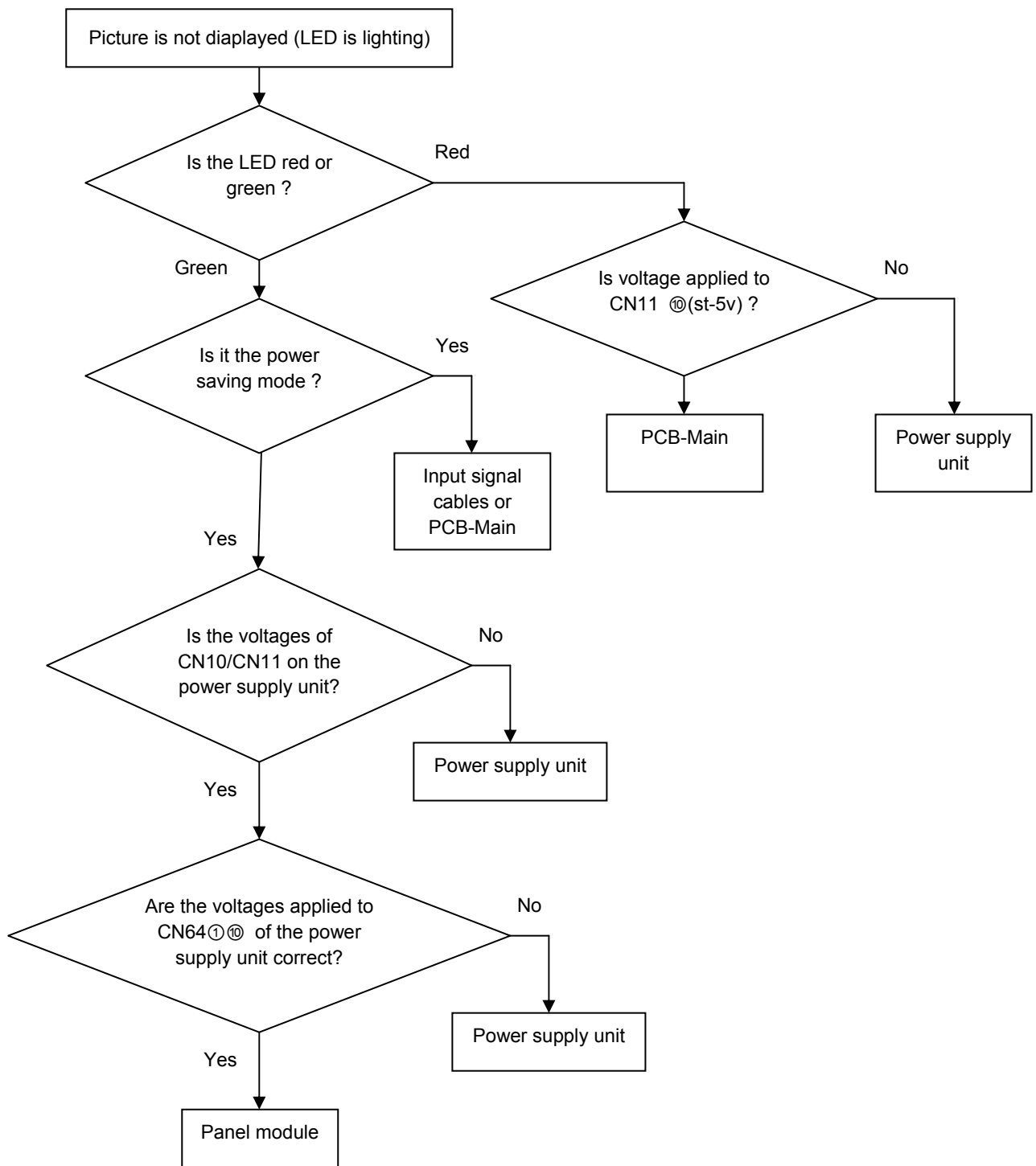
Note: Voltage shown for CN10 and CN11 are at Power On State.
Power off voltages are 0V, except CN11 Pin 10, this voltage is always present.

● No sound issue



(CN2) ①+15.5~16V ②GND
(P23) ①NC ②L ③GND ④R

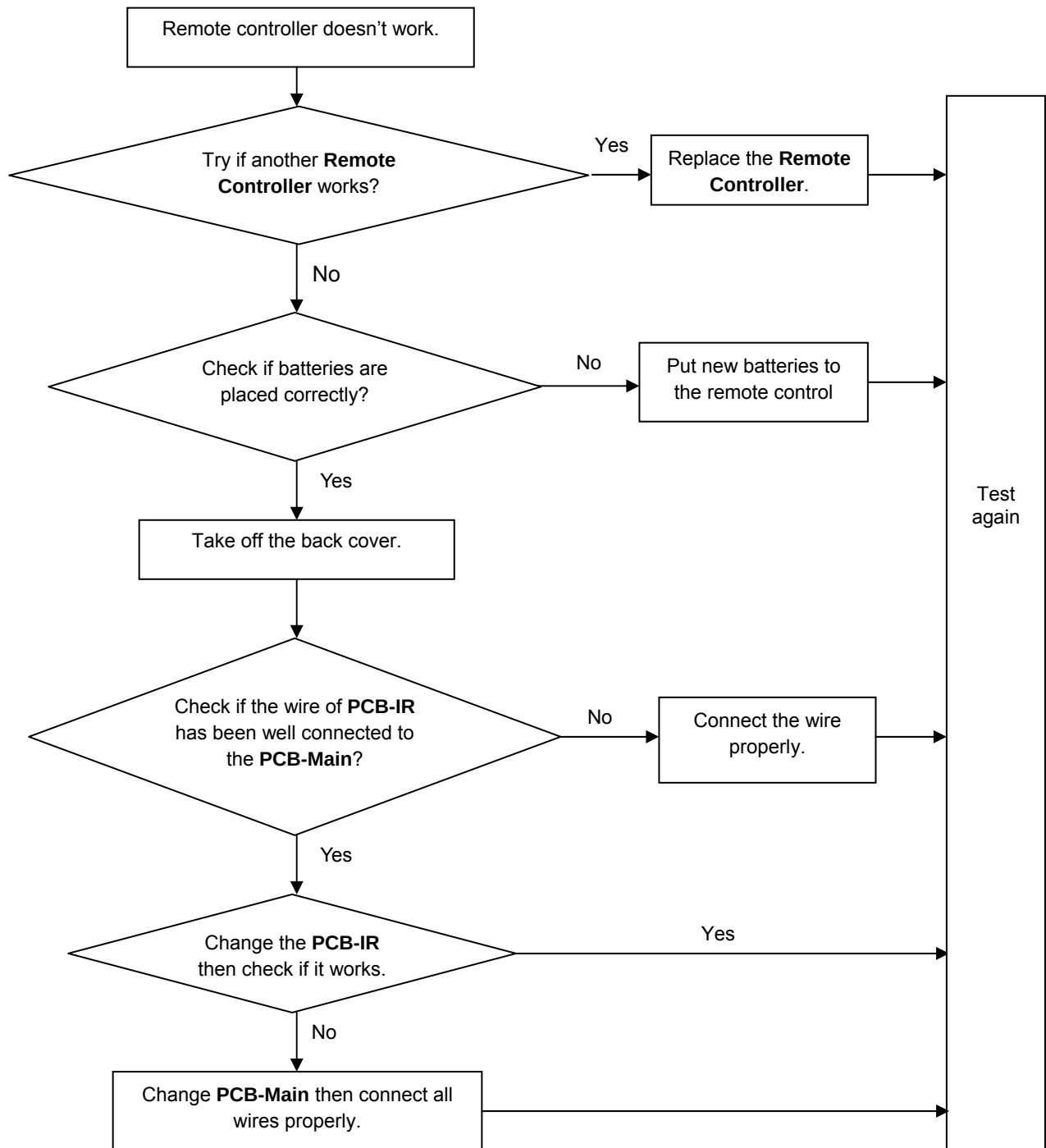
- No picture issue



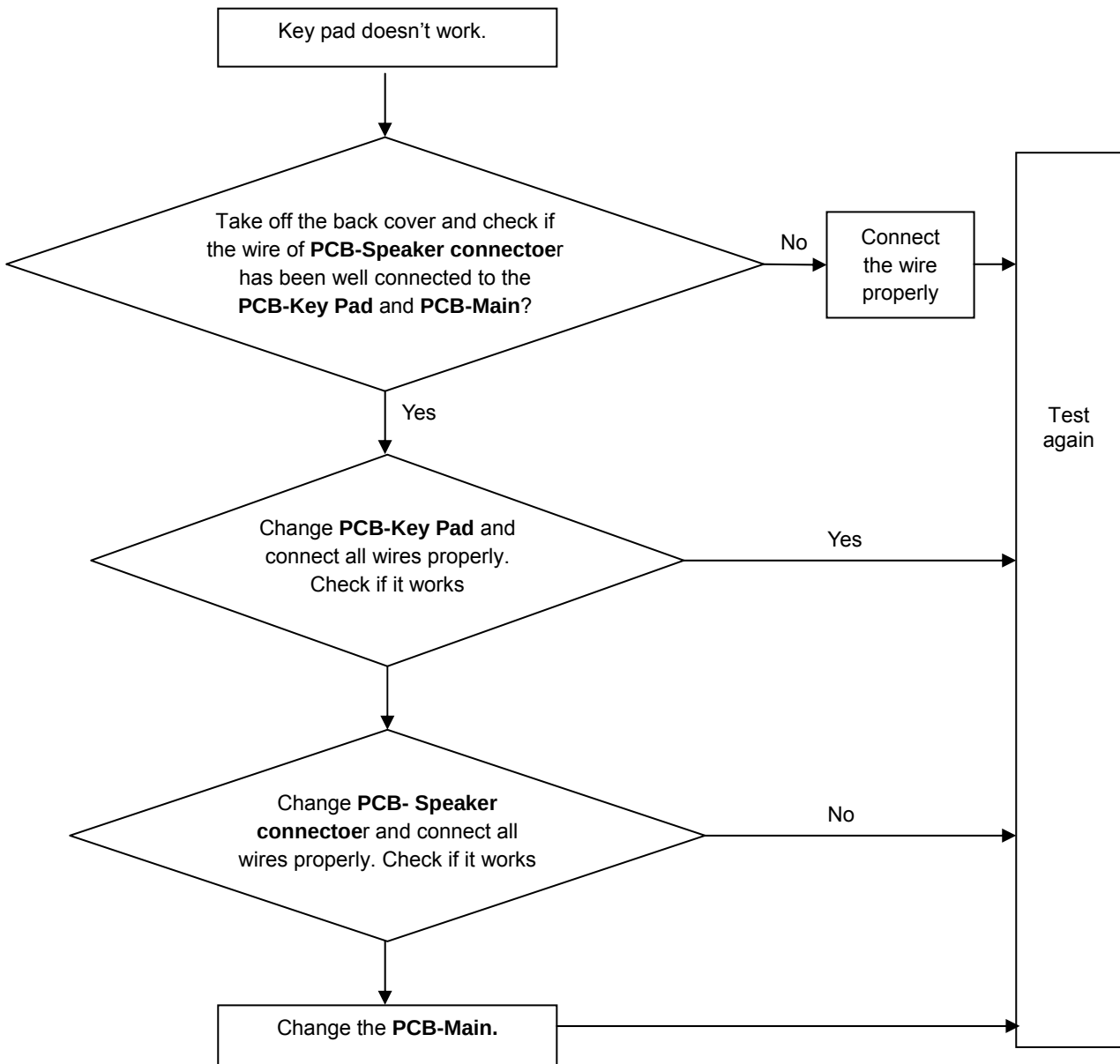
(CN10)	①5V	⑤⑥12V
(CN11)	①5V	③④3.3V ⑩st-5V

Note: Voltage shown for CN10 and CN11 are at Power On State.
Power off voltages are 0V, except CN11 Pin 10, this voltage is always present.

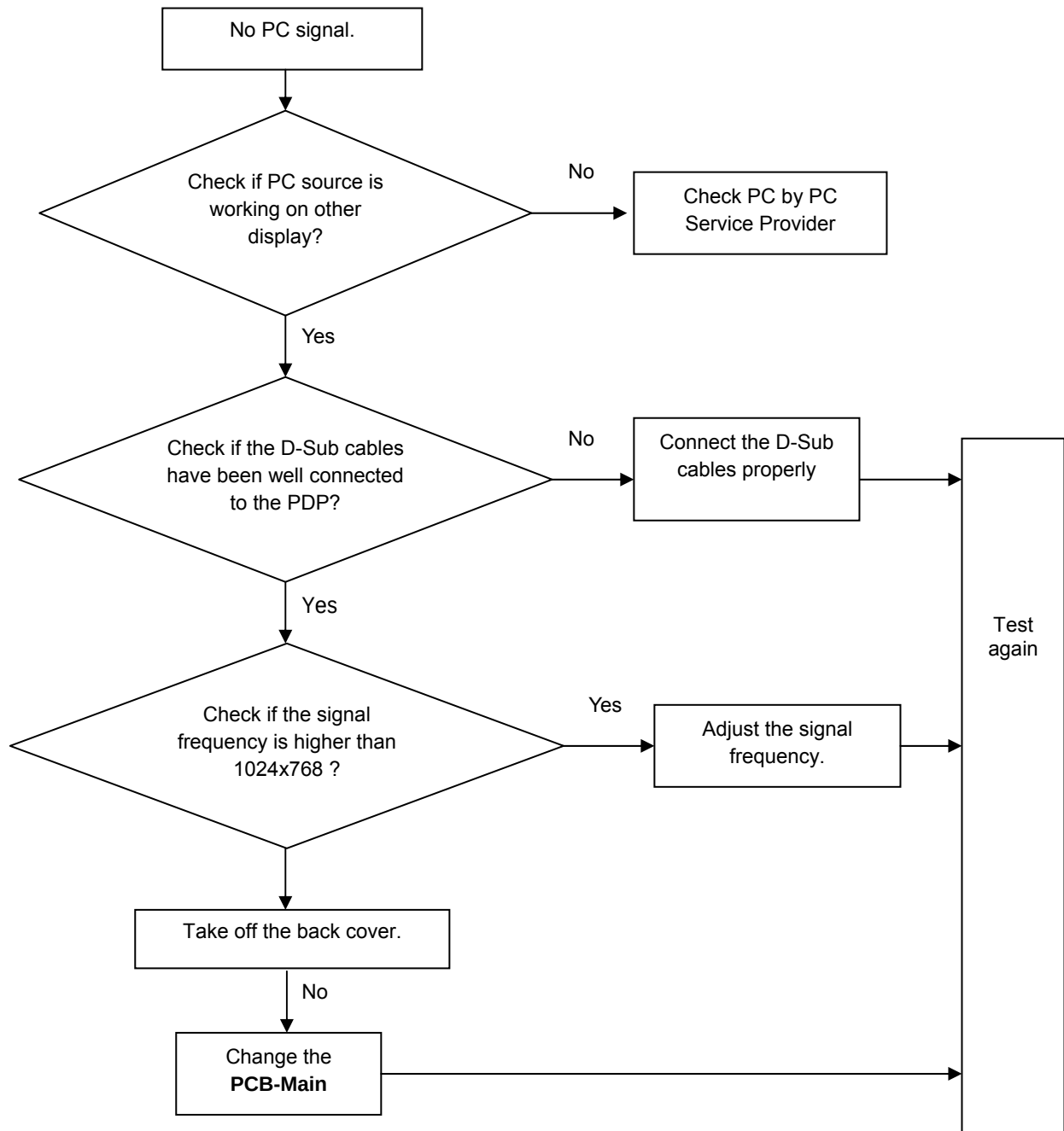
- **Remote Control doesn't work**



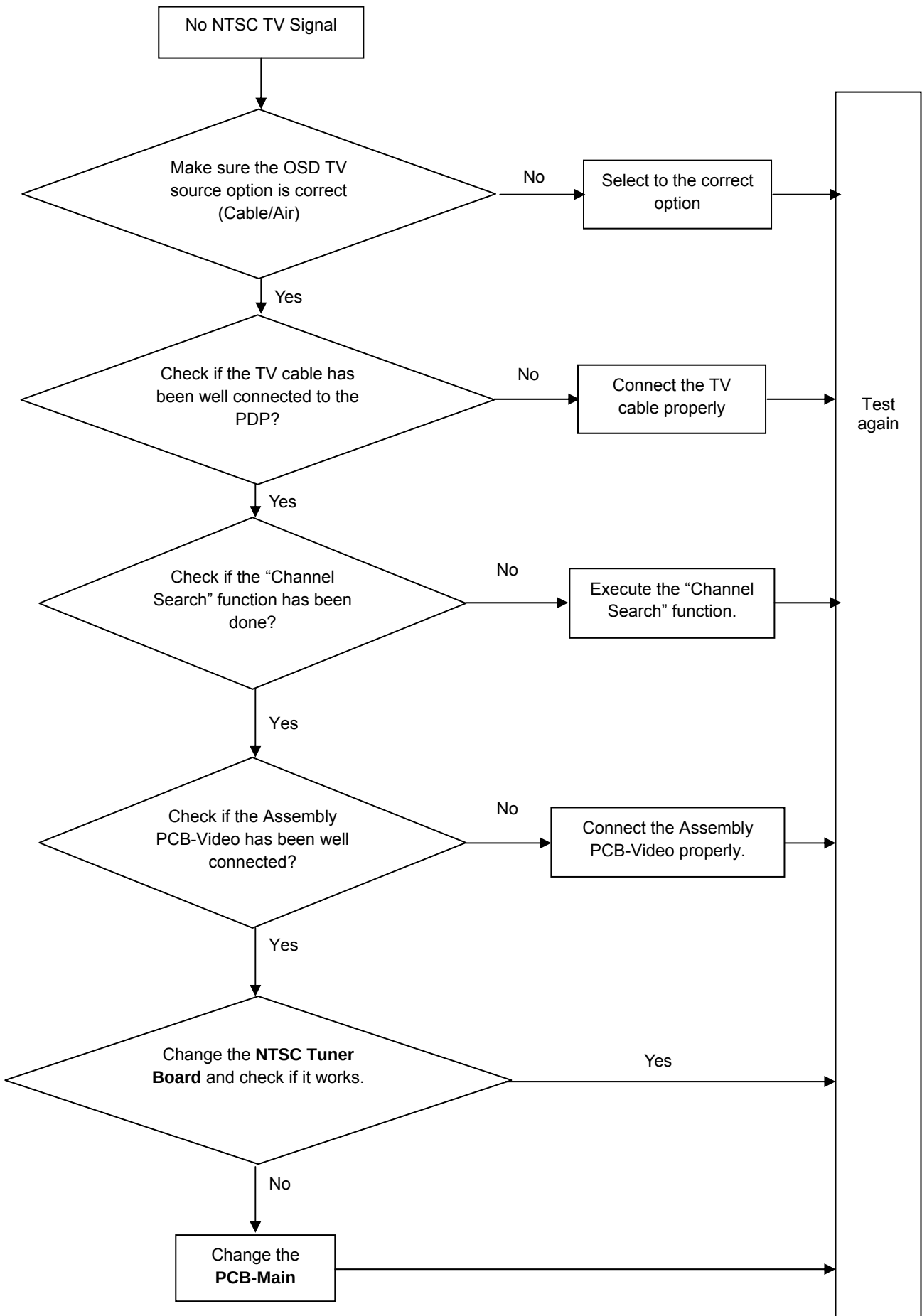
- **Key pad doesn't work**



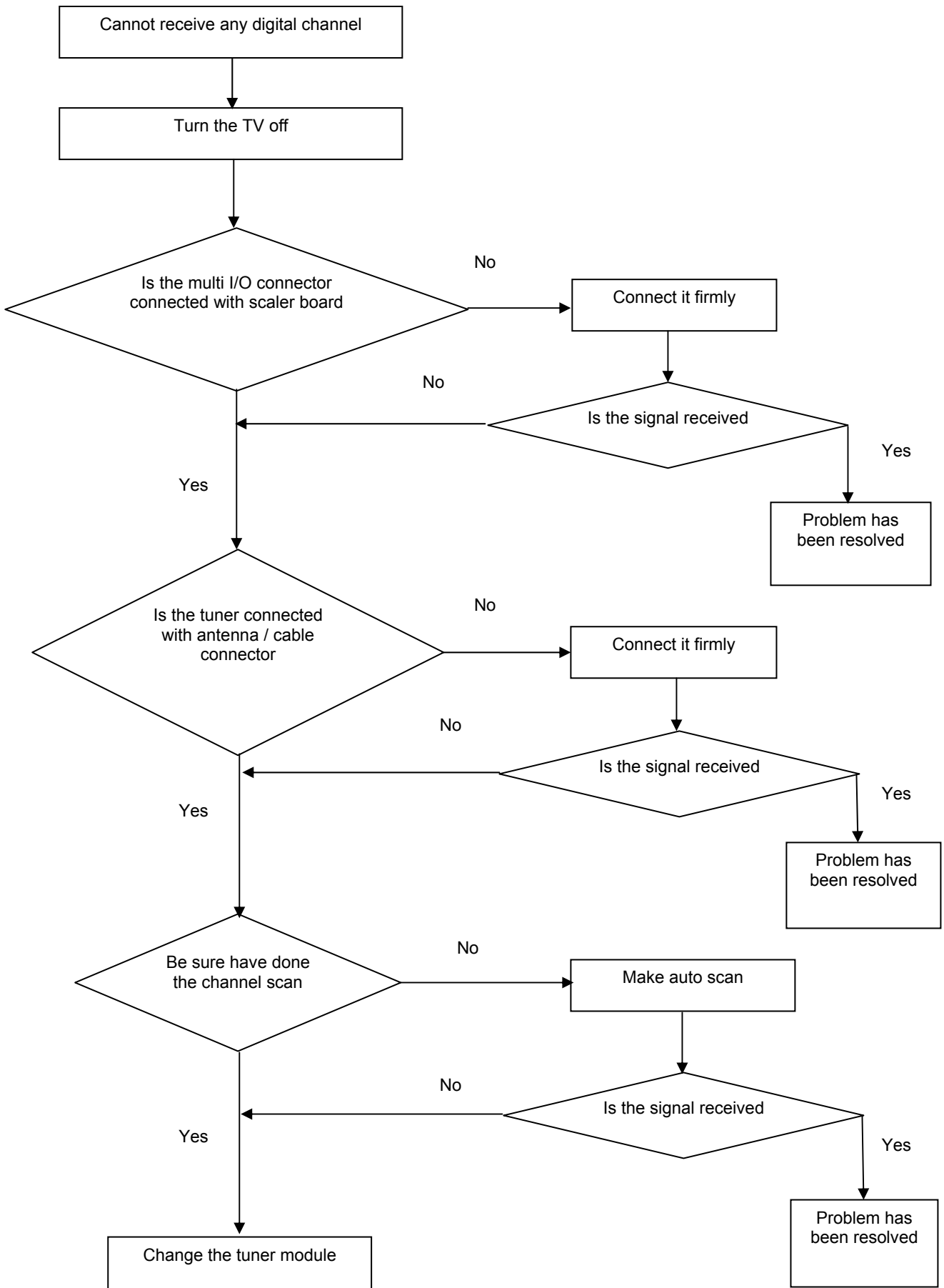
- **No PC signal (Analog RGB)**



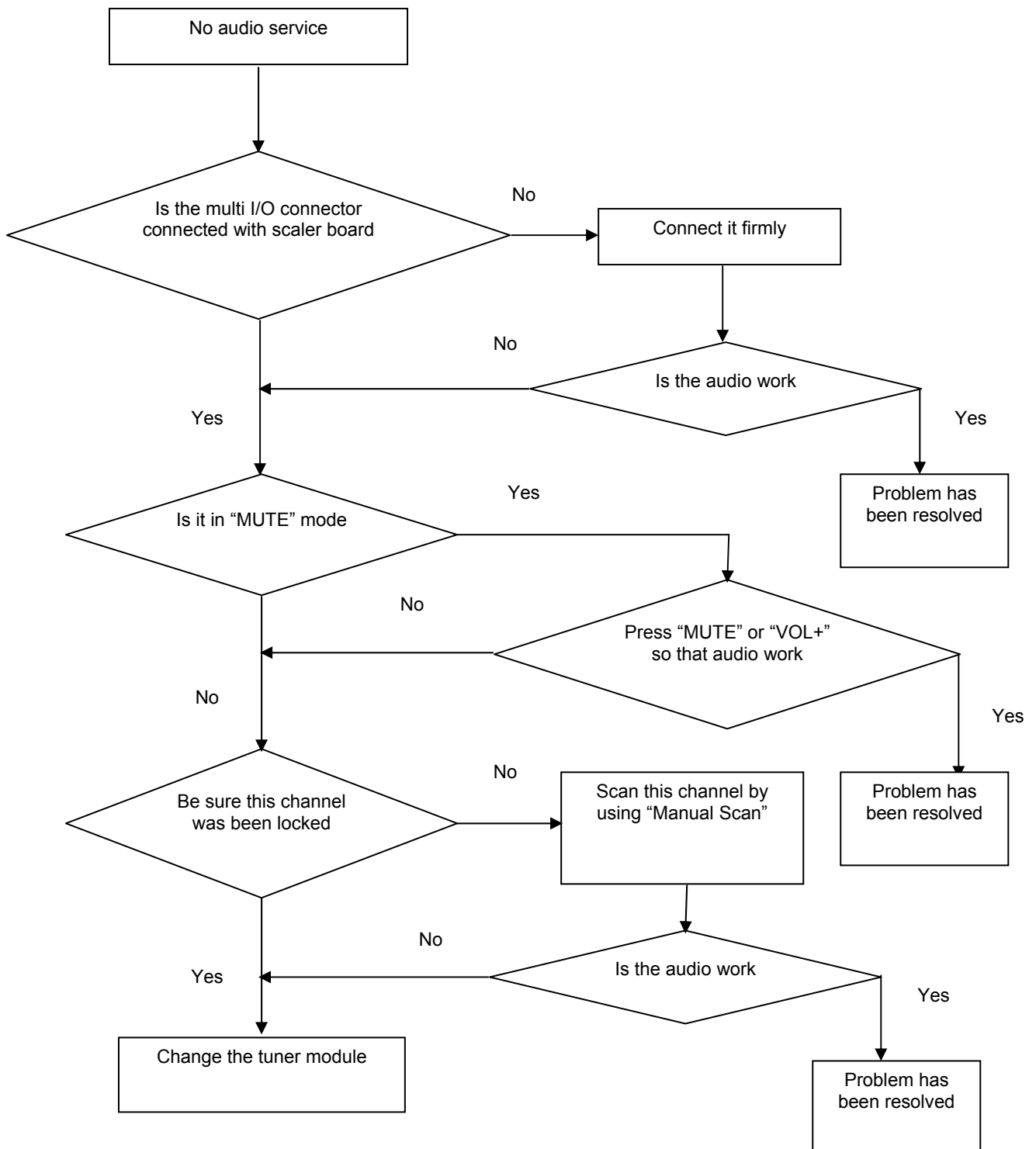
- **NTSC TV source no signal**



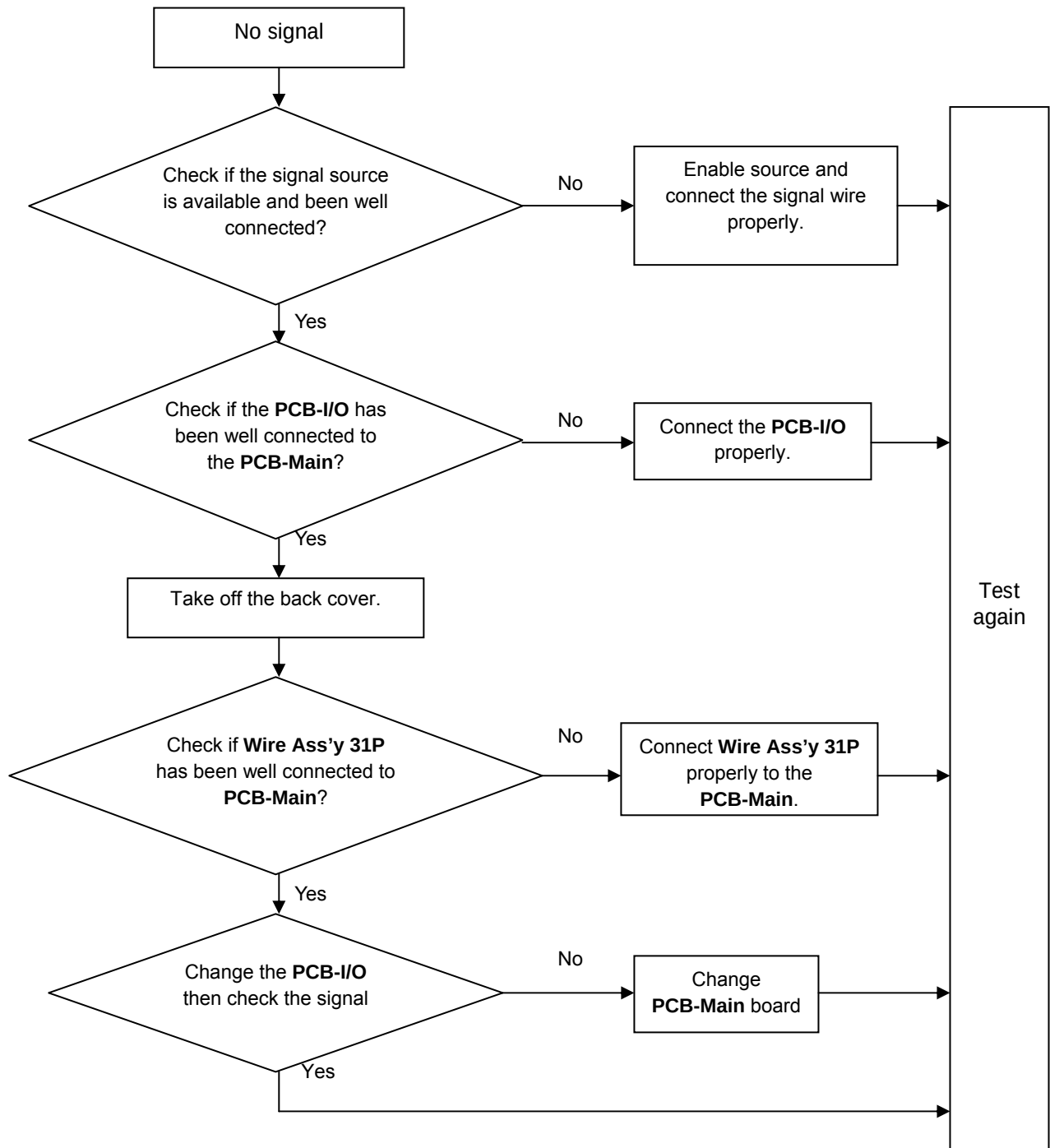
- DTV source no signal



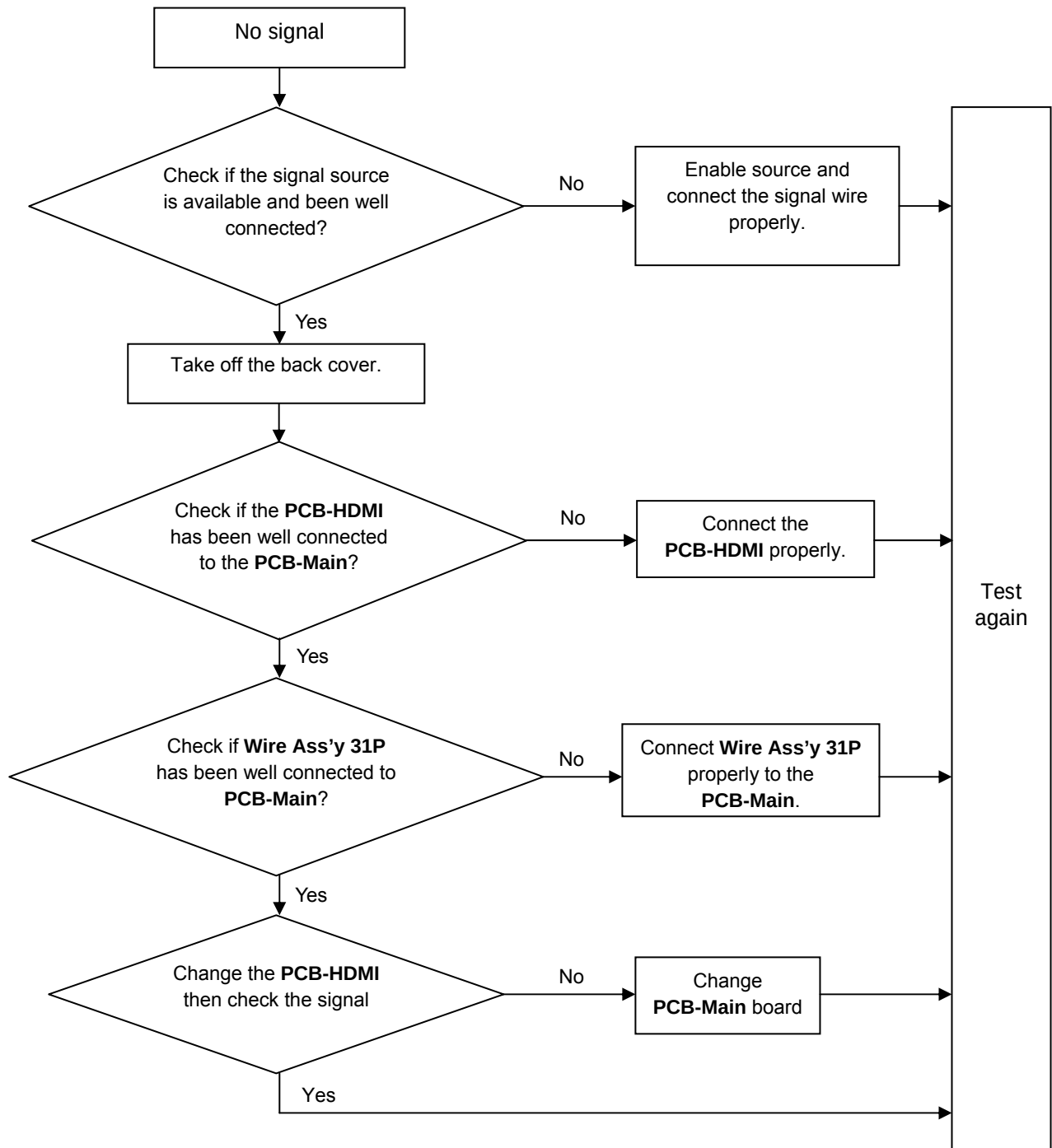
- No optical audio sound



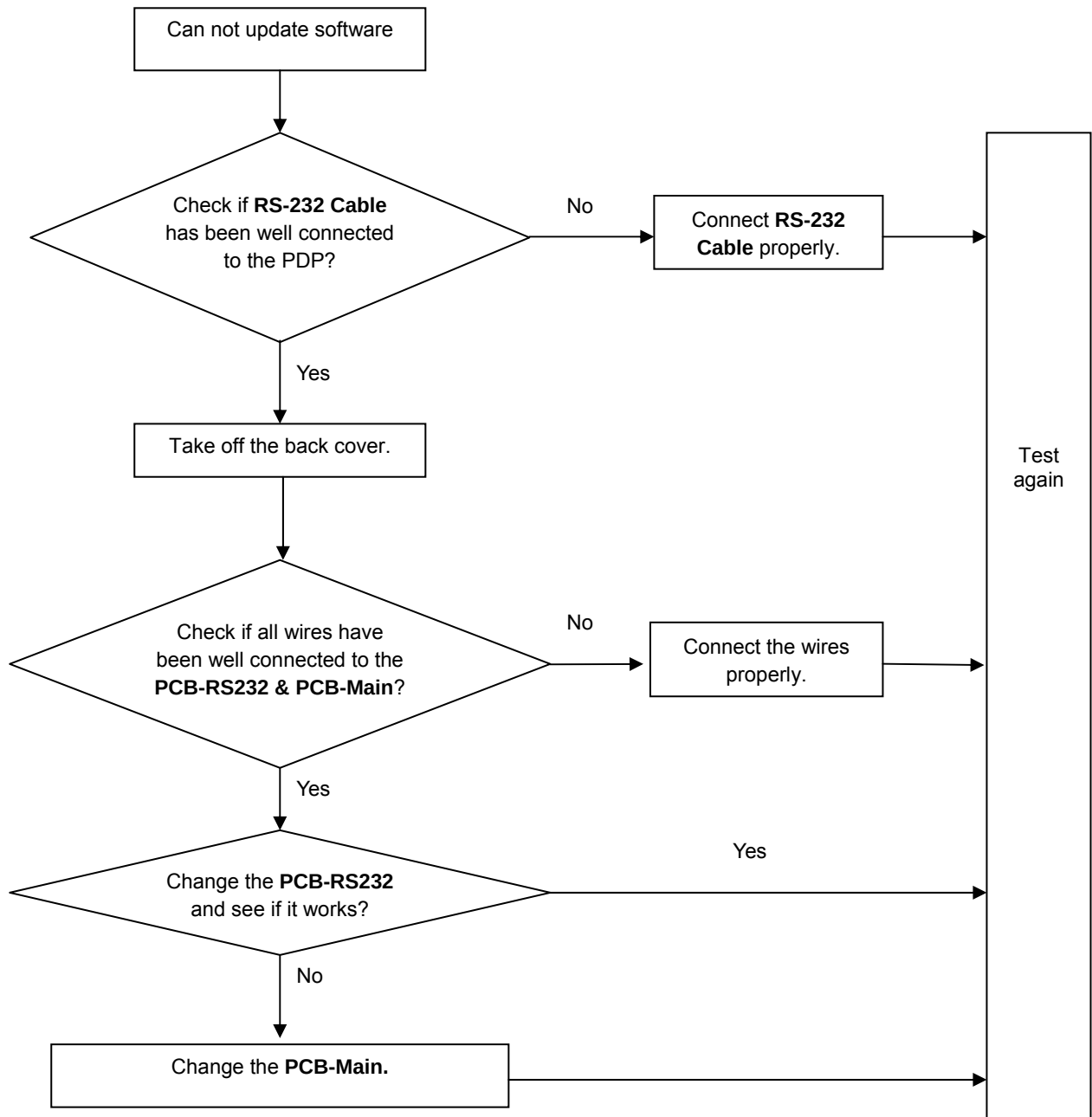
- **No signal issue (Composite, SV, YCbCr, YPbPr)**



- No HDMI signal issue

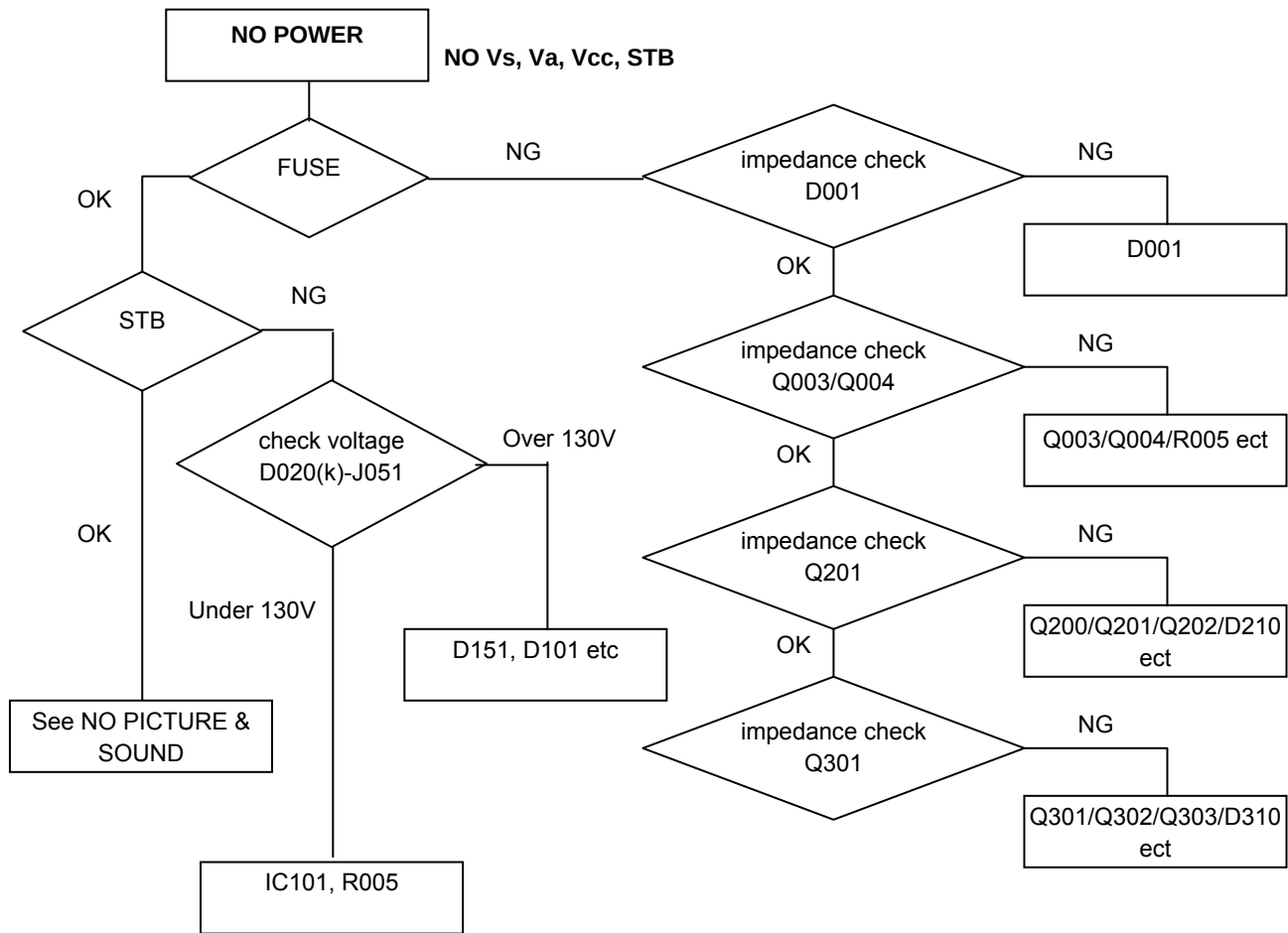


- **Software can't be updated**

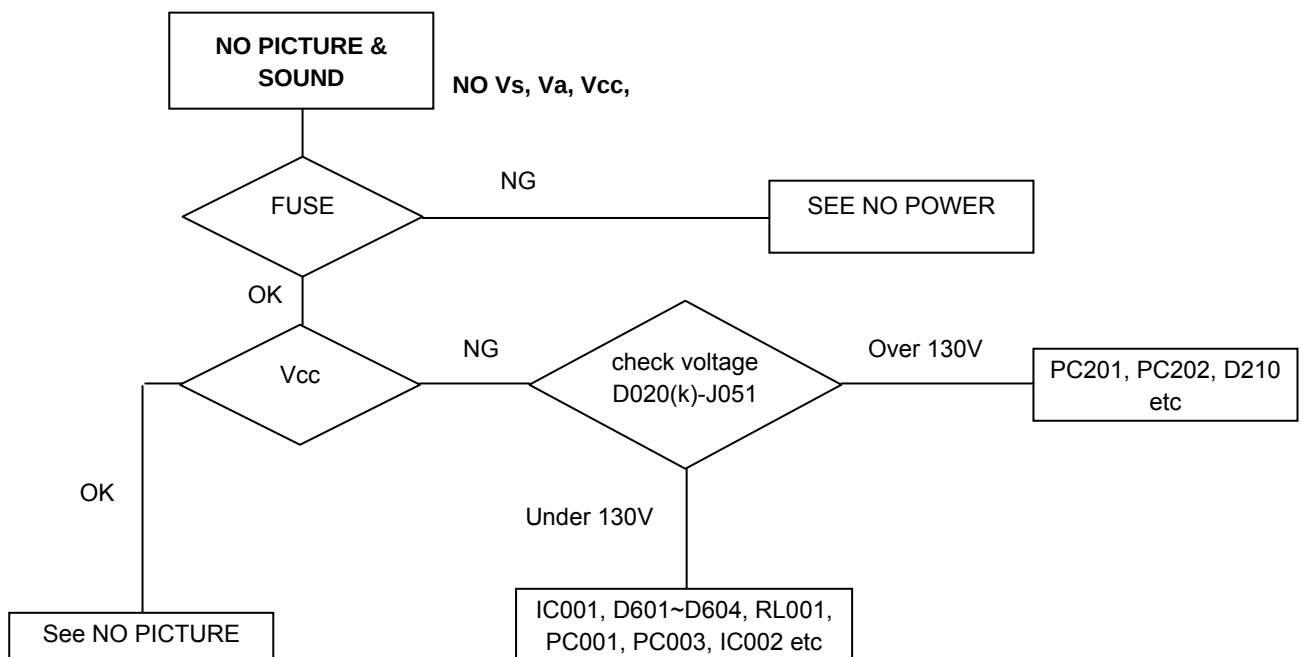


● Power board issues

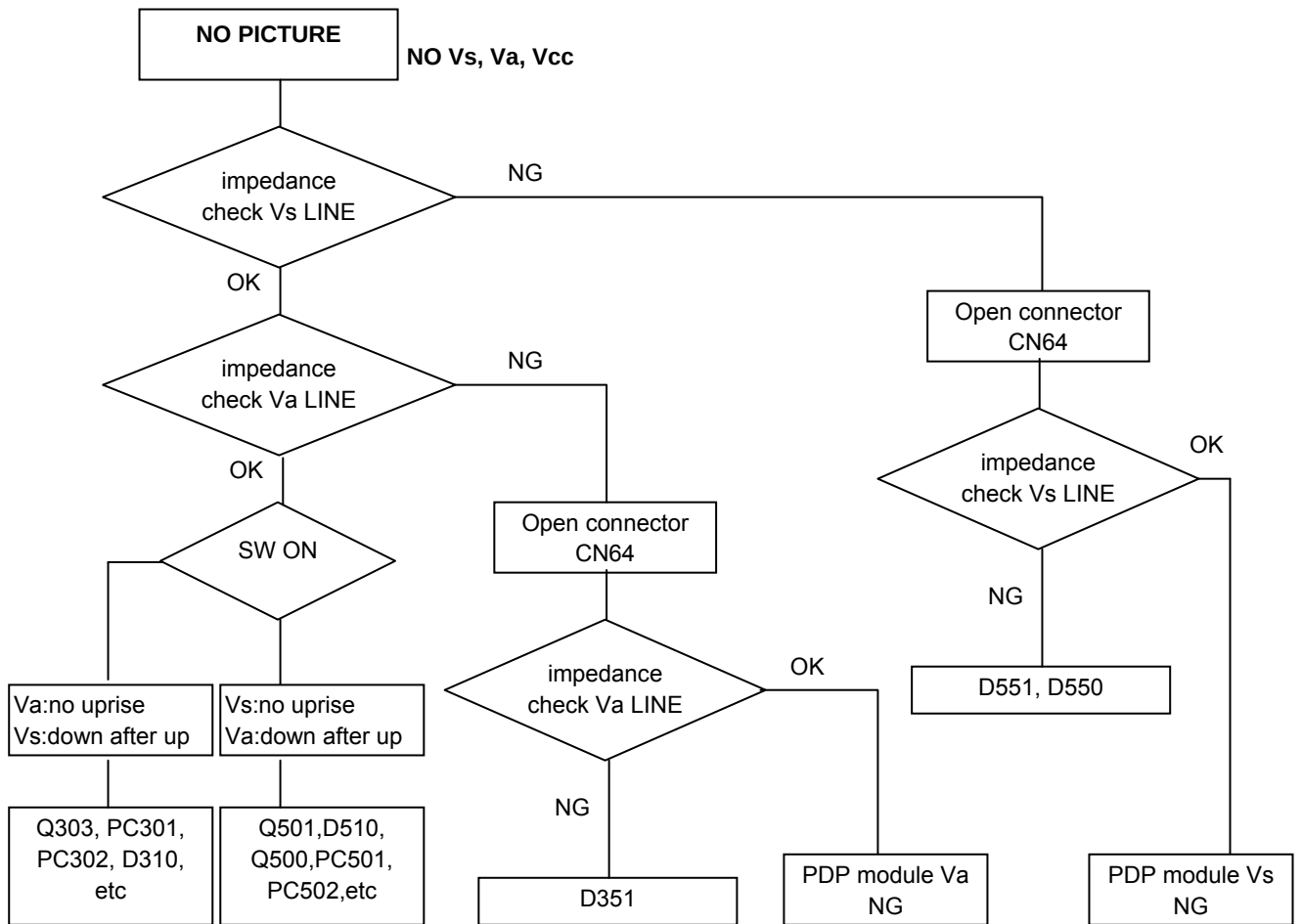
1. No power



2. No picture and sound

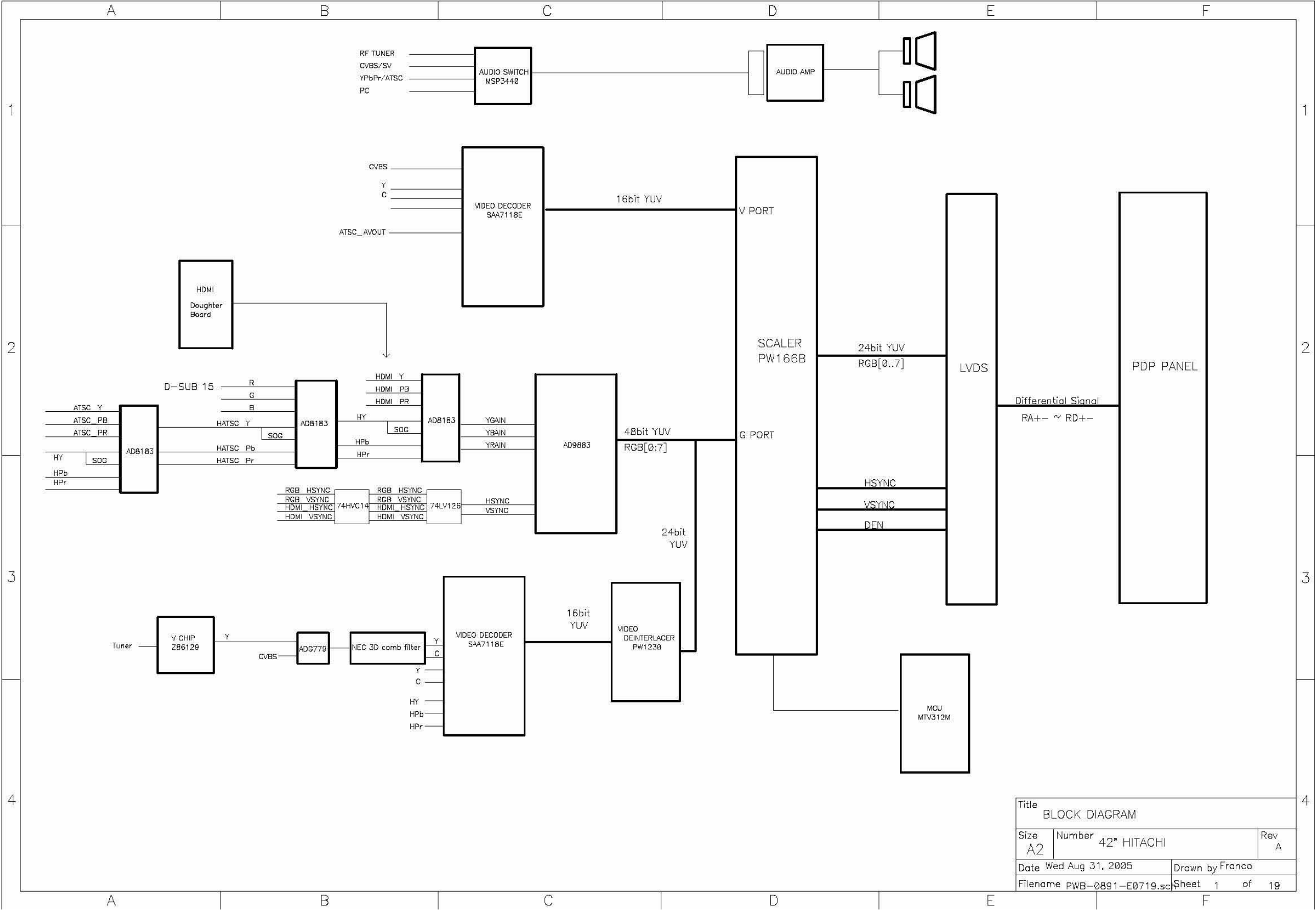


3. No picture



7. Block Diagram

- Plasma Monitor

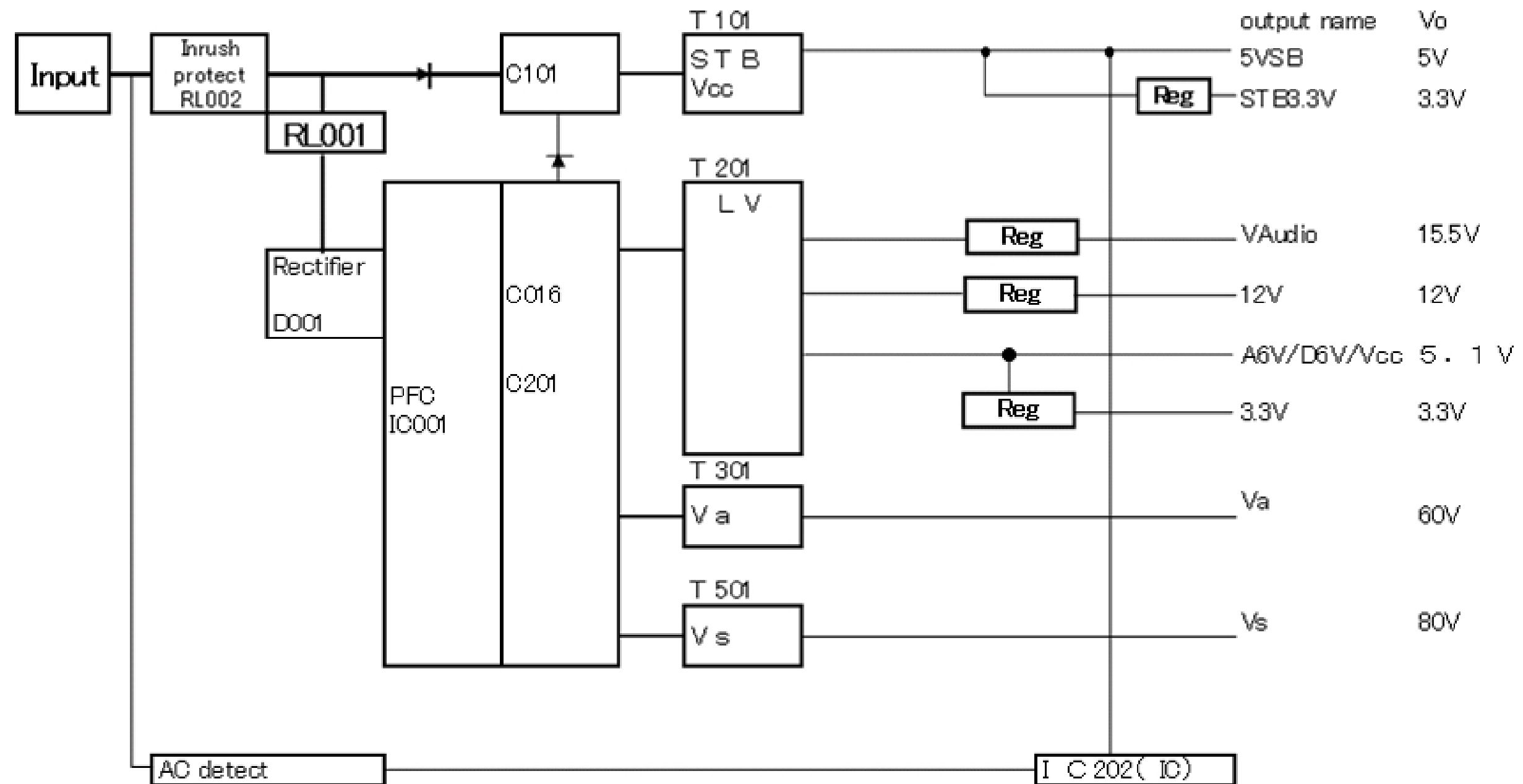


Title		
BLOCK DIAGRAM		
Size	Number	Rev
A2	42" HITACHI	A
Date Wed Aug 31, 2005		Drawn by Franco
Filename PWB-0891-E0719.sc		Sheet 1 of 19

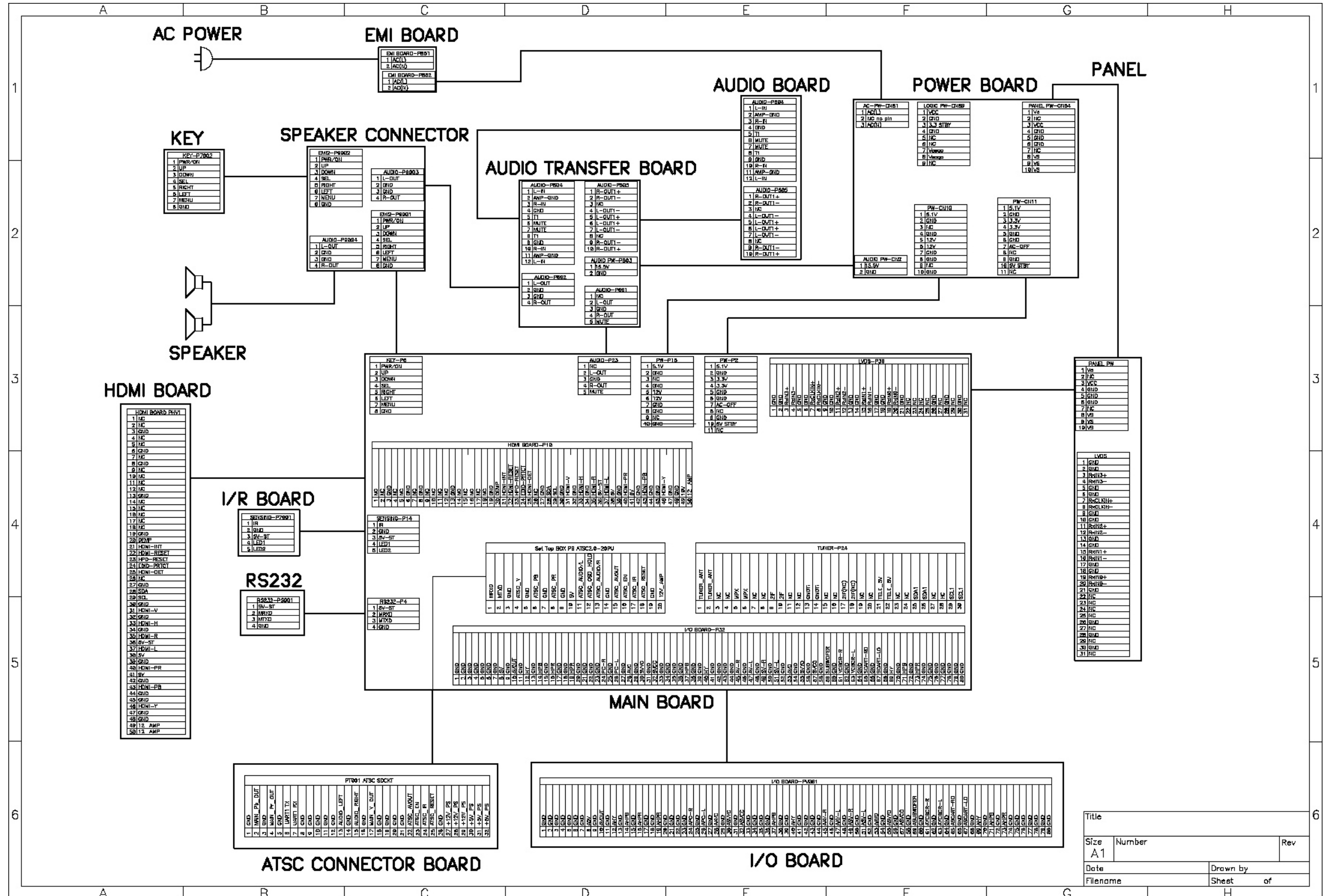
- **Power Module**

MPF7421 Block diagram

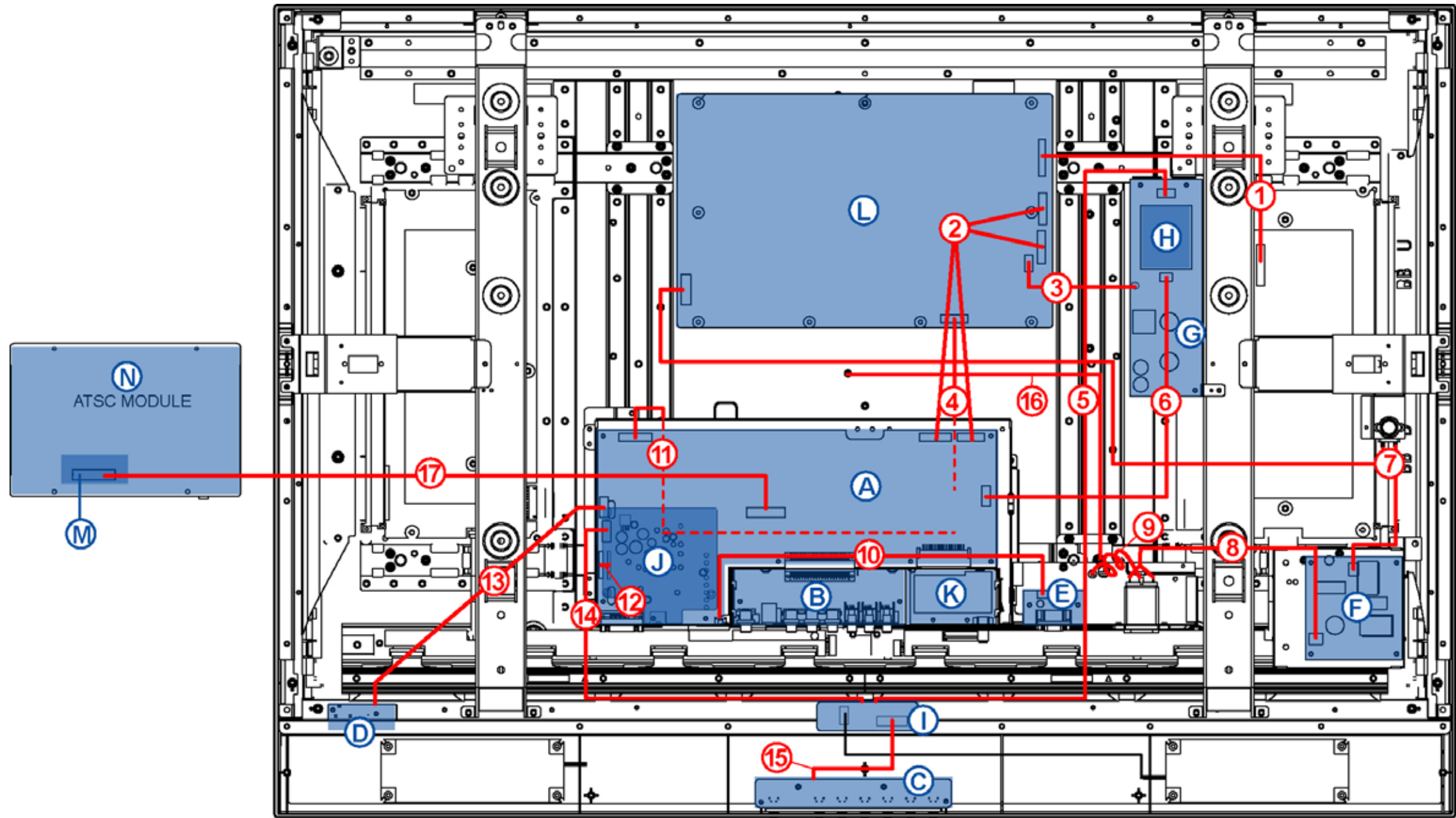
2005/4/7



8. Connection Diagram



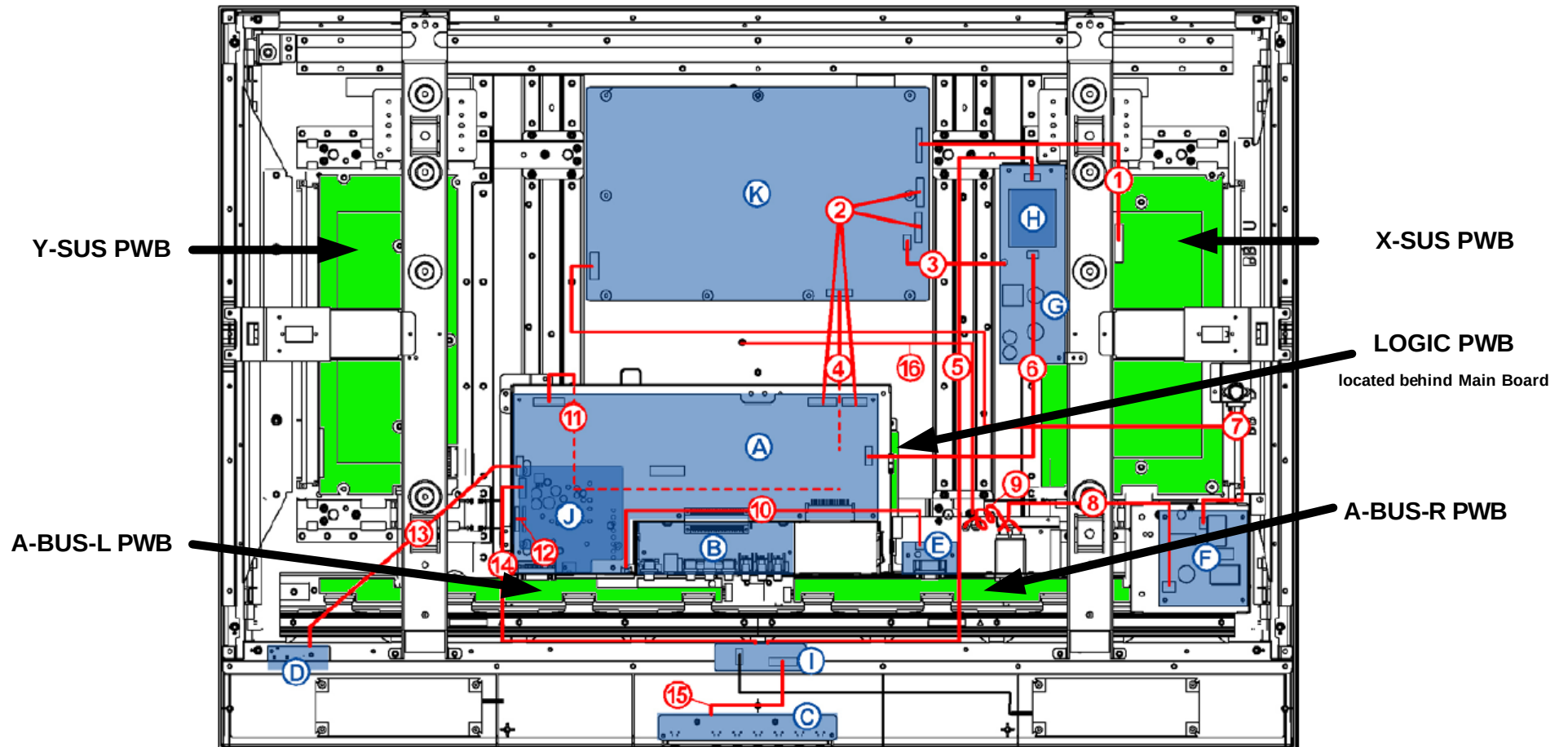
9. Wiring Block Diagram



Item	No.	Wire	Part No.	HITACHI Part No.	Item	No.	Wire	Part No.	HITACHI Part No.	Item	Board
1	P205	Wire Ass'y W10/10P	E057410010	TE02294	12	P207	FFC 50P+AI	E784650506	TE02751	D	IR Board(PWB-0874)
2	P203	Wire Ass'y W11/10P	E057411001	TE02292	13	P212	Wire Ass'y W5/5P	E057405011	TE02299	E	RS-232 Board(PWB-0832)
3	P201	Wire Ass'y W2/2P	E057402005	TE02291	14	P9001A	Wire Ass'y W8/8P	E057408006	TE02304	F	Power/EMI Board(PWB-0905)
4	P208	Wire Ass'y W9/9P	E057409002	TE02296	15	P7002A	Wire Ass'y W4/4P	E057408005	-	G	Audio Power Board(PWB-0905)
5	P9003A	Wire Ass'y W4/4P	E057404011	TE02305			(This wire is included in PCB-Key pad assembly)			H	Audio Board(PWB-0807)
6	P211	Wire Ass'y W5/5P	E057405008	TE02298	16	P215	Wire Ass'y	E057401009	TE02753	I	Speaker Connector Board(PWB-0906)
7	P814	Wire Ass'y W3/3P	E057403016	TE02755	17	P206	Wire Ass'y W20/20P	E057420004	TE02295	J	HDMI Board(PWB-0892)
8	P813	Wire Ass'y W3/2P	E057403015	TE02754	Item		Board	Part No.	HITACHI Part No.	K	Tuner Module
9	P811	Wire Ass'y	E057401008	TE02761	A	Main Board(PWB-0891)		5097652009	TE04071	L	Power Module
10	P209	Wire Ass'y W4/4P	E507404009	TE02297	B	I/O Board(PWB-0899)		5097651805	TS06662	M	ATSC Connector Board(PWB-0833)
11	P204	Wire Ass'y W31/30P	E057431012	TE04091	C	Key Pad(PWB-0874)		5097659800	TE03501	N	ATSC Module

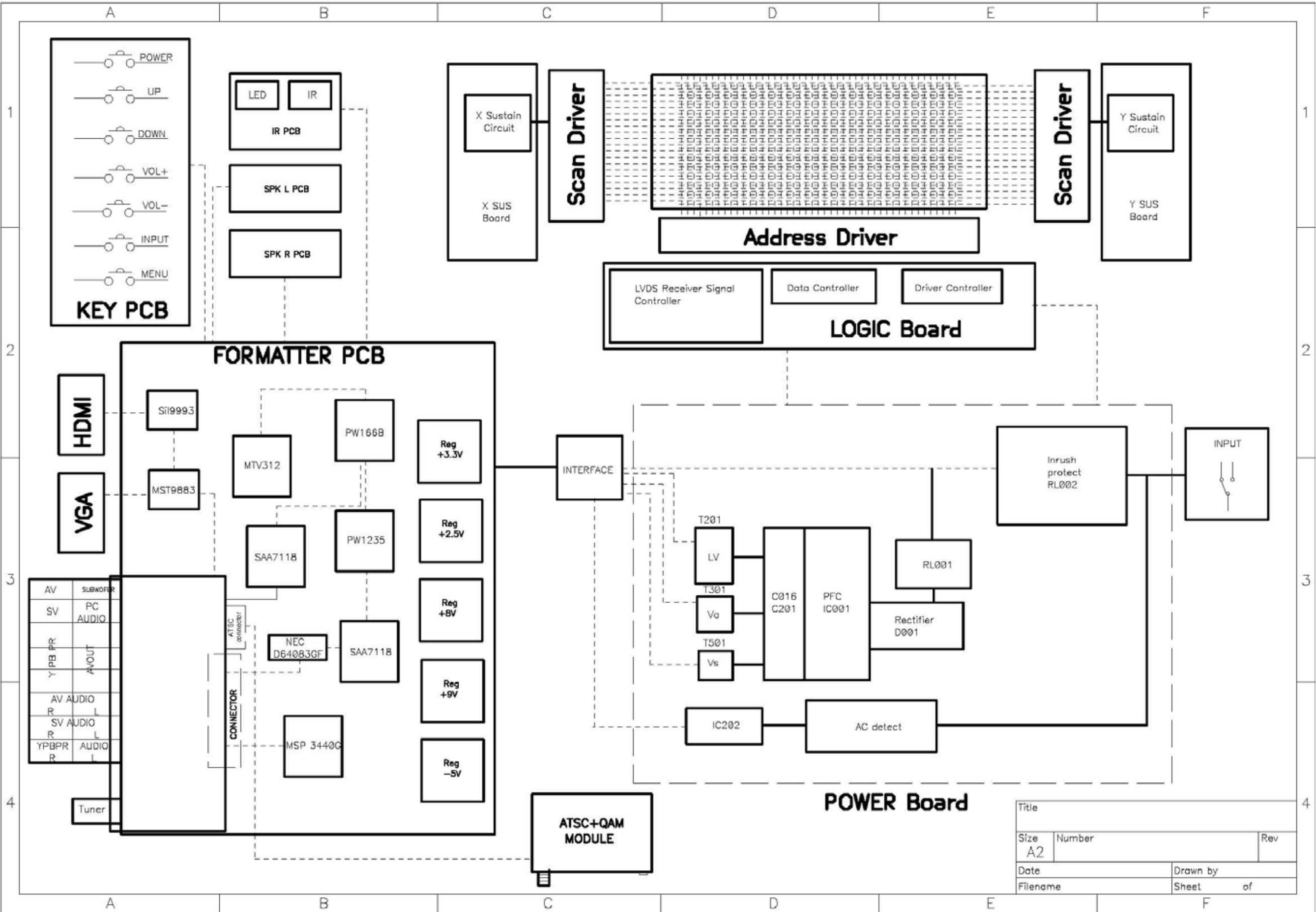
Parts List on page 44

Panel Boards Layout



See page 44 for p/n's

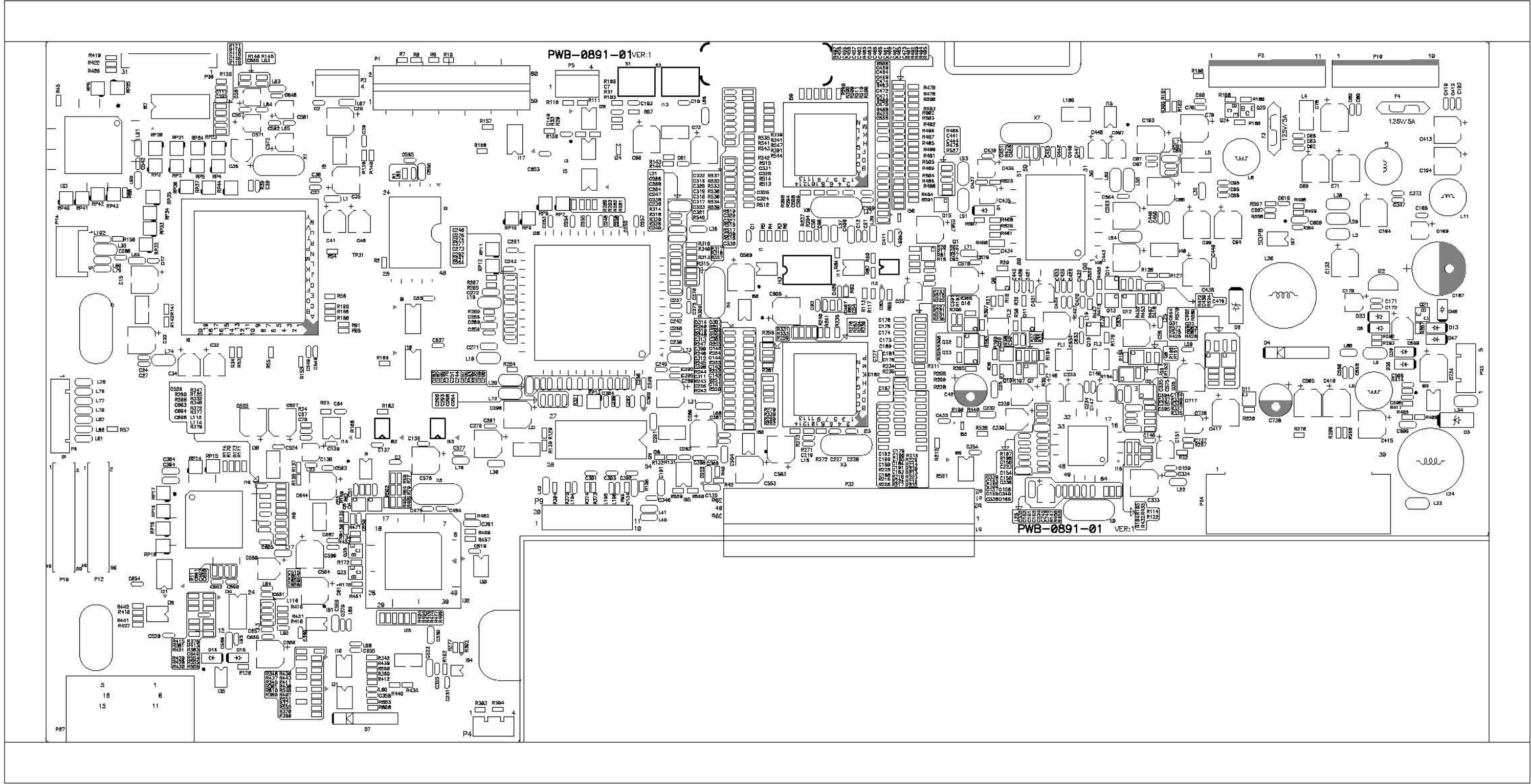
10. Basic Block Diagram



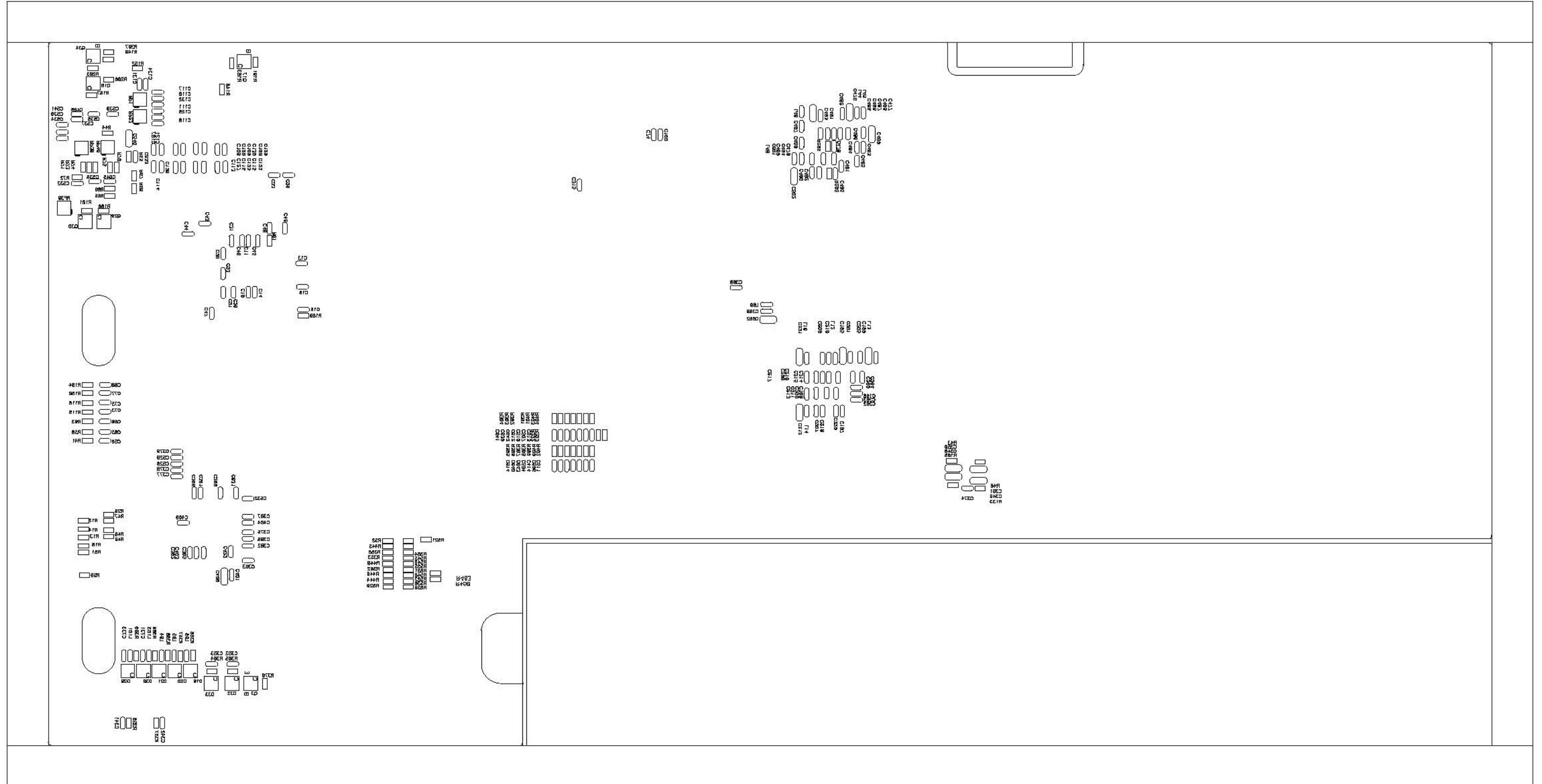
Title		
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A2		
Date		Drawn by
Filename		Sheet of

11. Printed Wiring Board Diagram

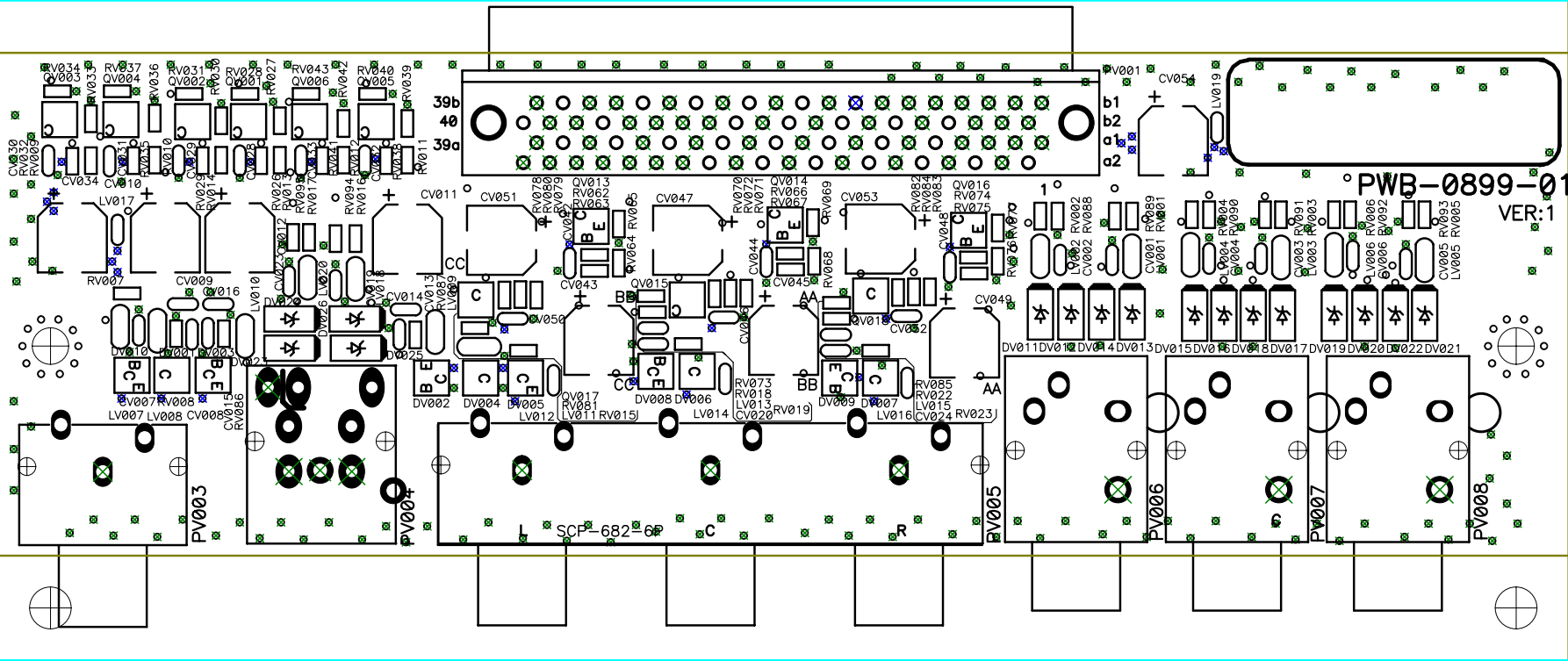
- Main Board—Top Side



- **Main Board—Bottom Side**



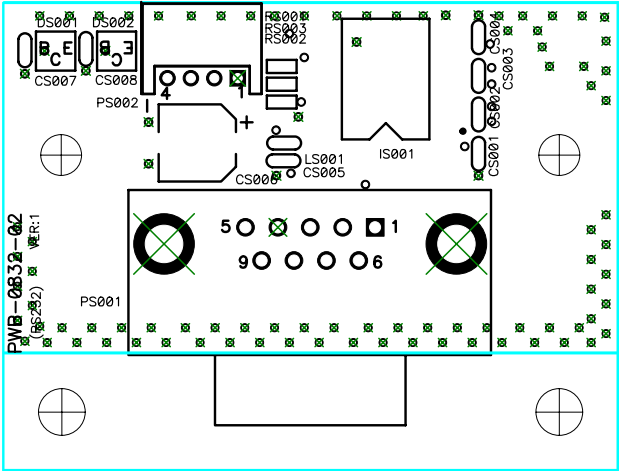
I/O Board—Top Side



TATUNG CO. Designed by Electronic R & D Division TEL:2592-5252 EXT 2920 2921	LAYER NO: TOP SILK LAYER
	FILE NO: PWB-0899-01-0323.pcb
	DATE: Fri Apr 08, 2005

{Layer StackUp}

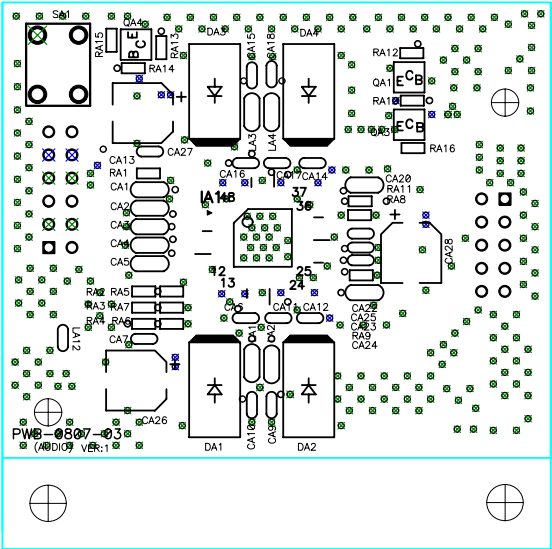
RS-232 Board—Top Side



TATUNG CO. Designed by Electronic R & D Division TEL:2592-5252 EXT 2920 2921	LAYER NO: TOP SILK LAYER
	FILE NO: 0832-02-0323.pcb
	DATE: Fri Apr 08, 2005

{Layer StackUp}

Audio Board—Top Side

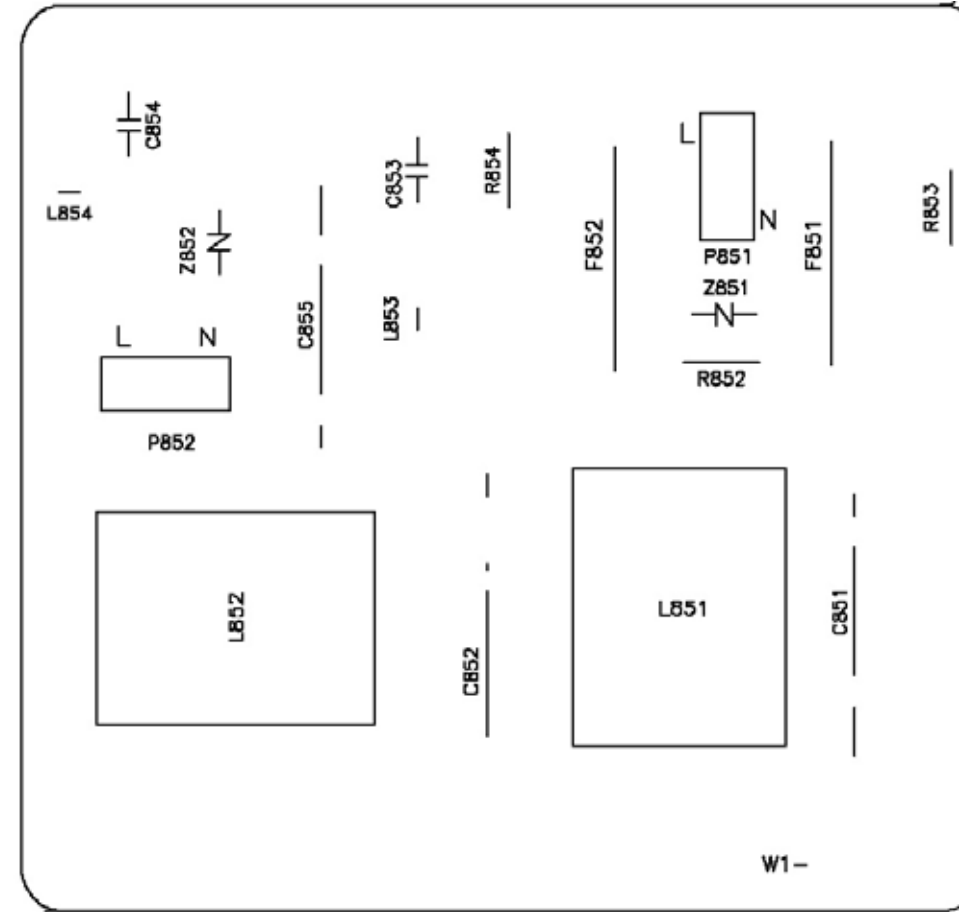
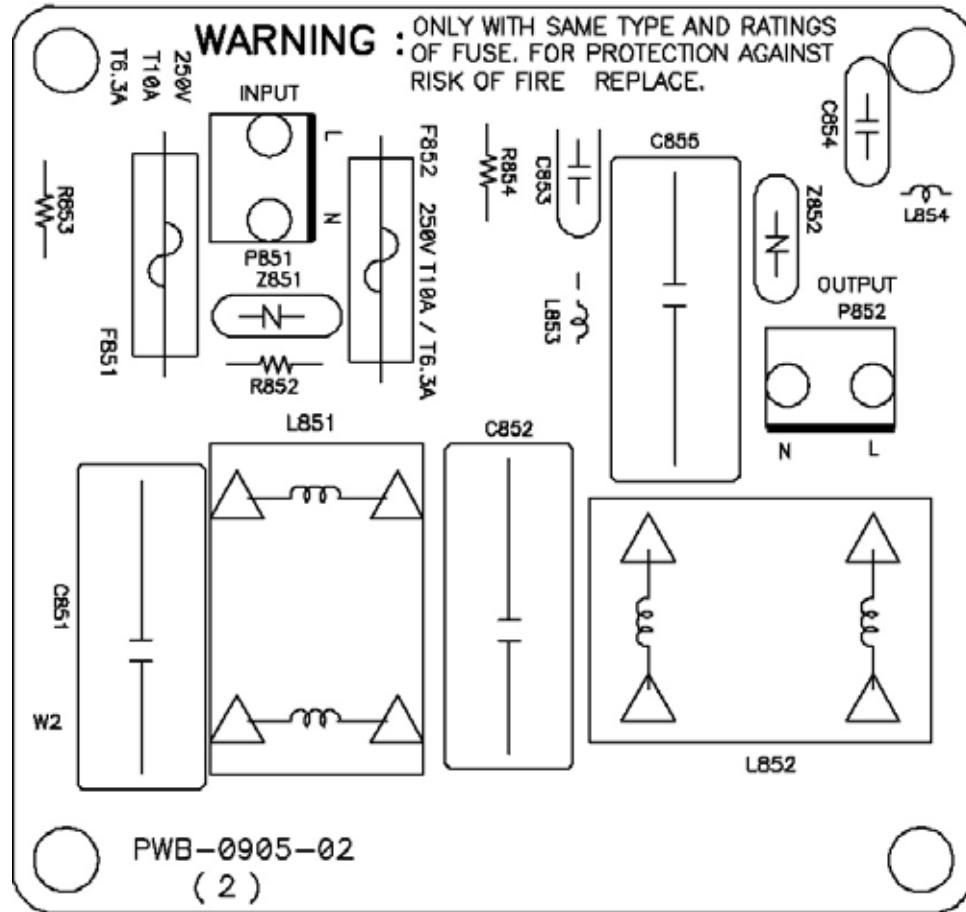


TATUNG CO. Designed by Electronic R & D Division TEL:2592-5252 EXT 2920 2921	LAYER NO: TOP SILK LAYER
	FILE NO: 0807-03-0323.pcb
	DATE: Fri Apr 08, 2005

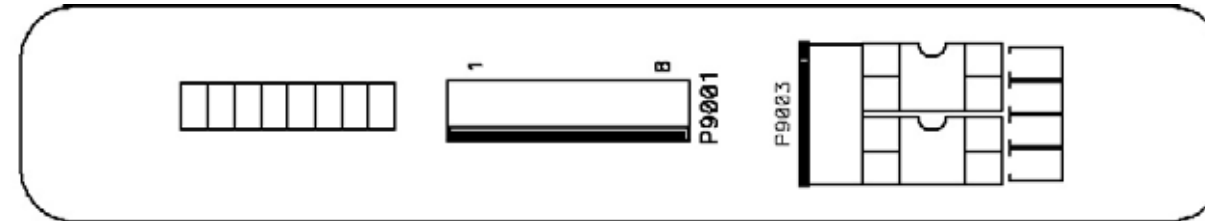
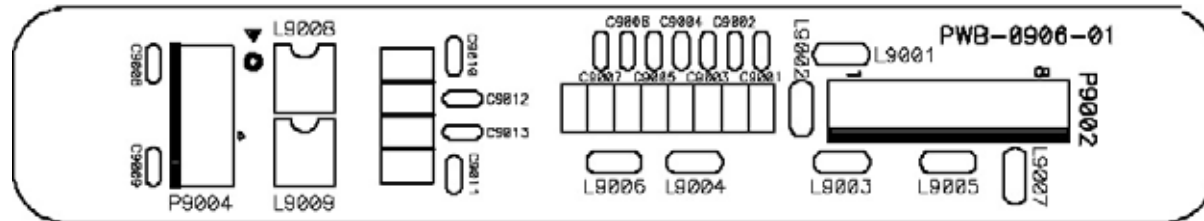
{Layer StackUp}



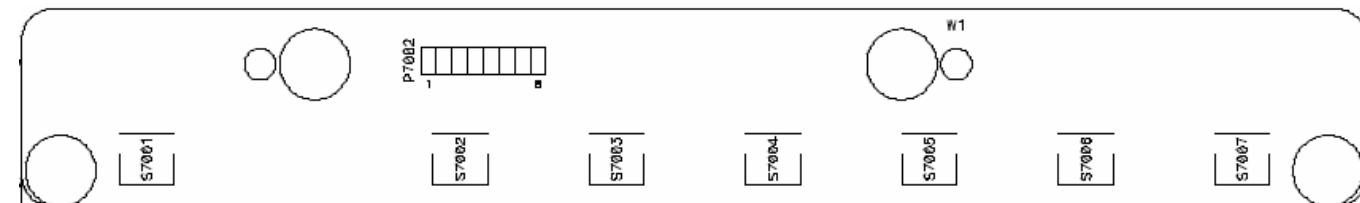
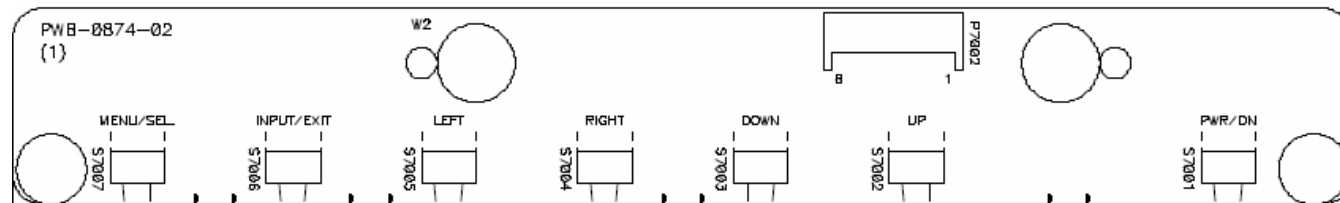
● **Power/EMI Board—Top Side(L)/Bottom Side(R)**



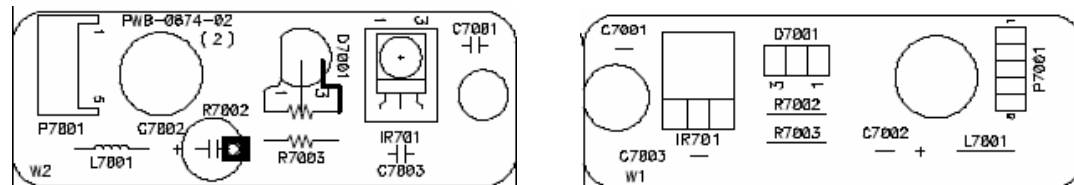
- **Speaker Connector Board—Top Side(L)/Bottom Side(R)**



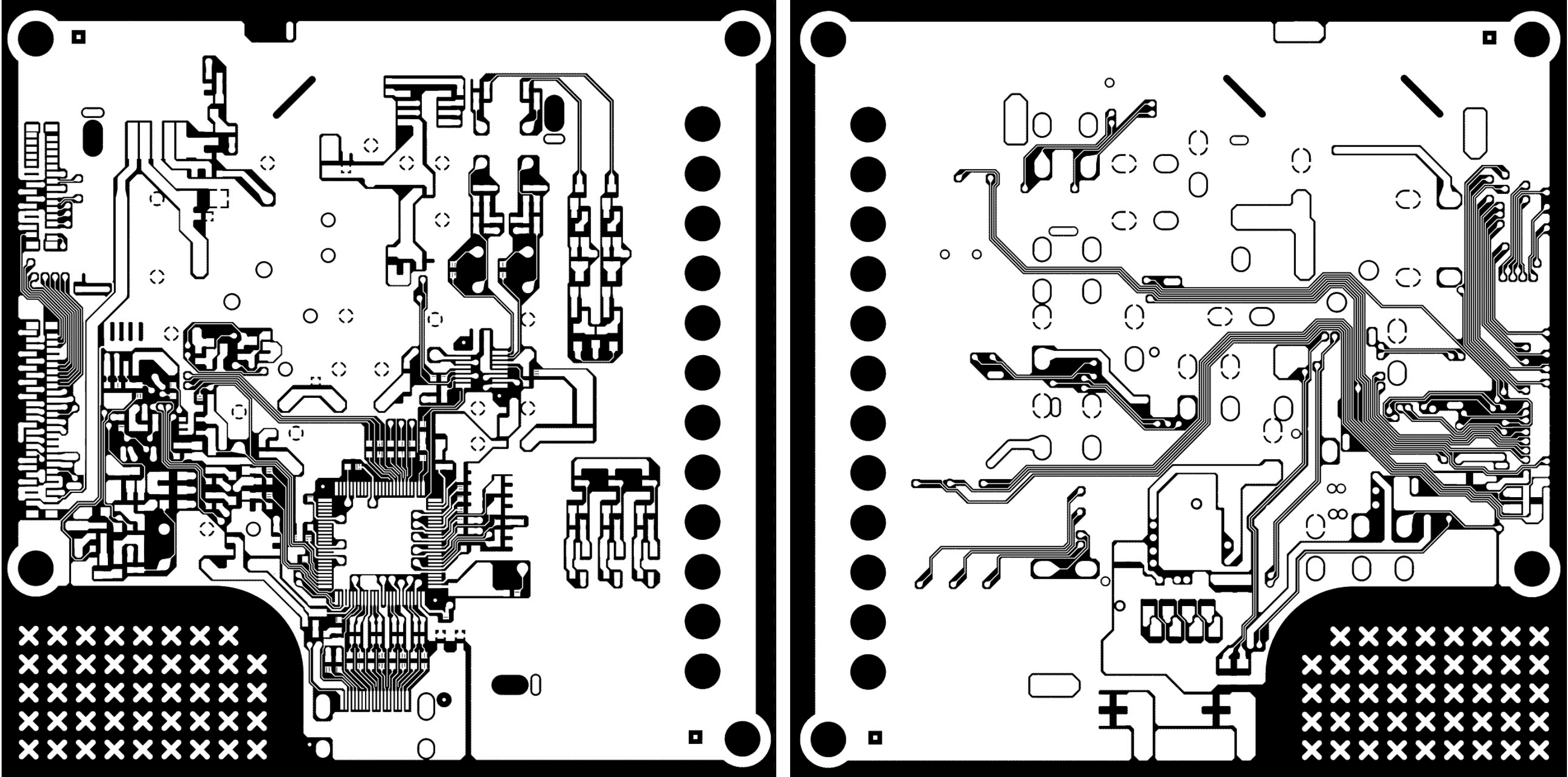
- **Key Pad—Top Side(L)/Bottom Side(R)**



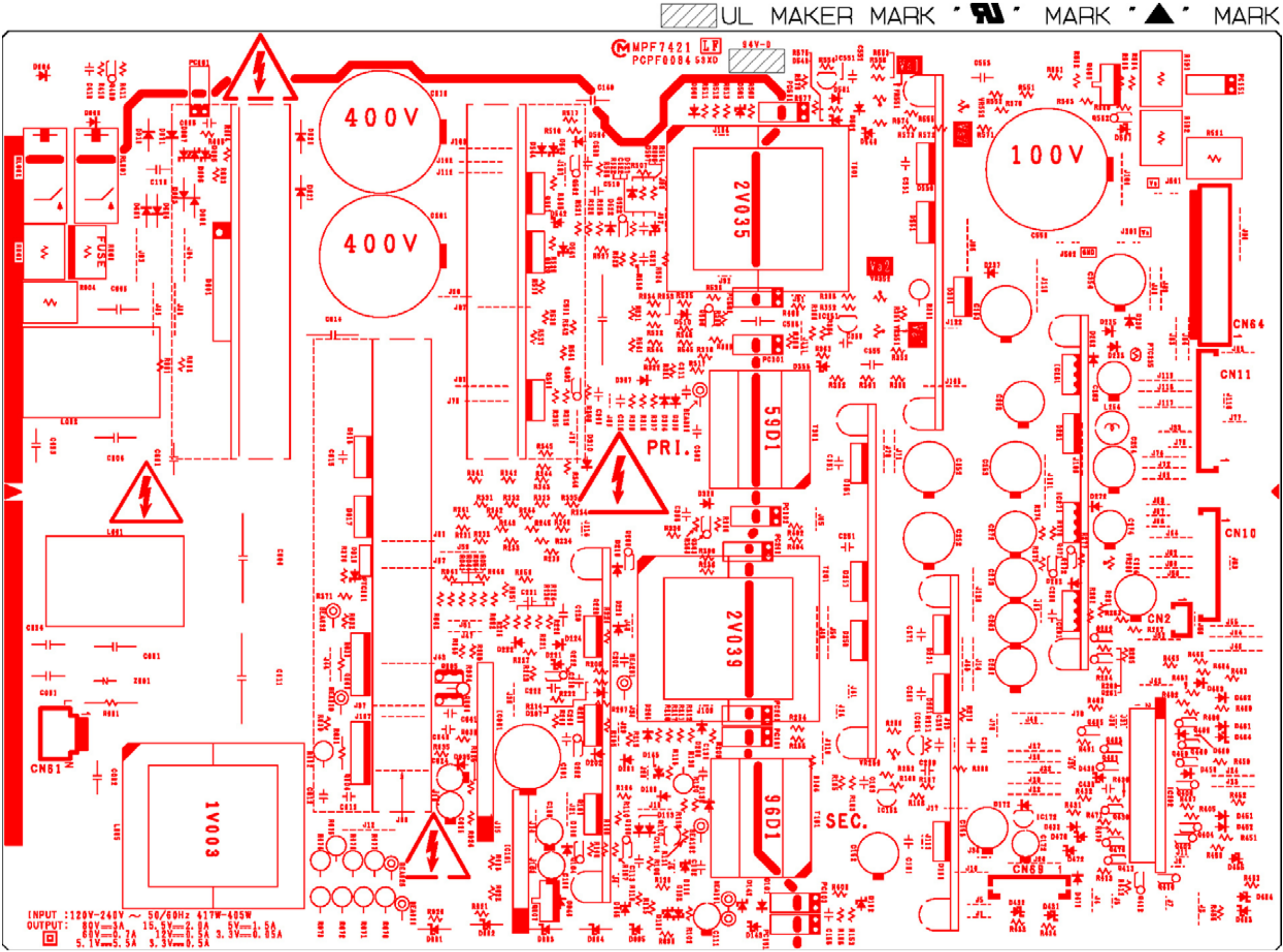
- IR Board—Top Side(L)/Bottom Side(R)



● HDMI Board – Top Side(L)/Bottom Side(R)

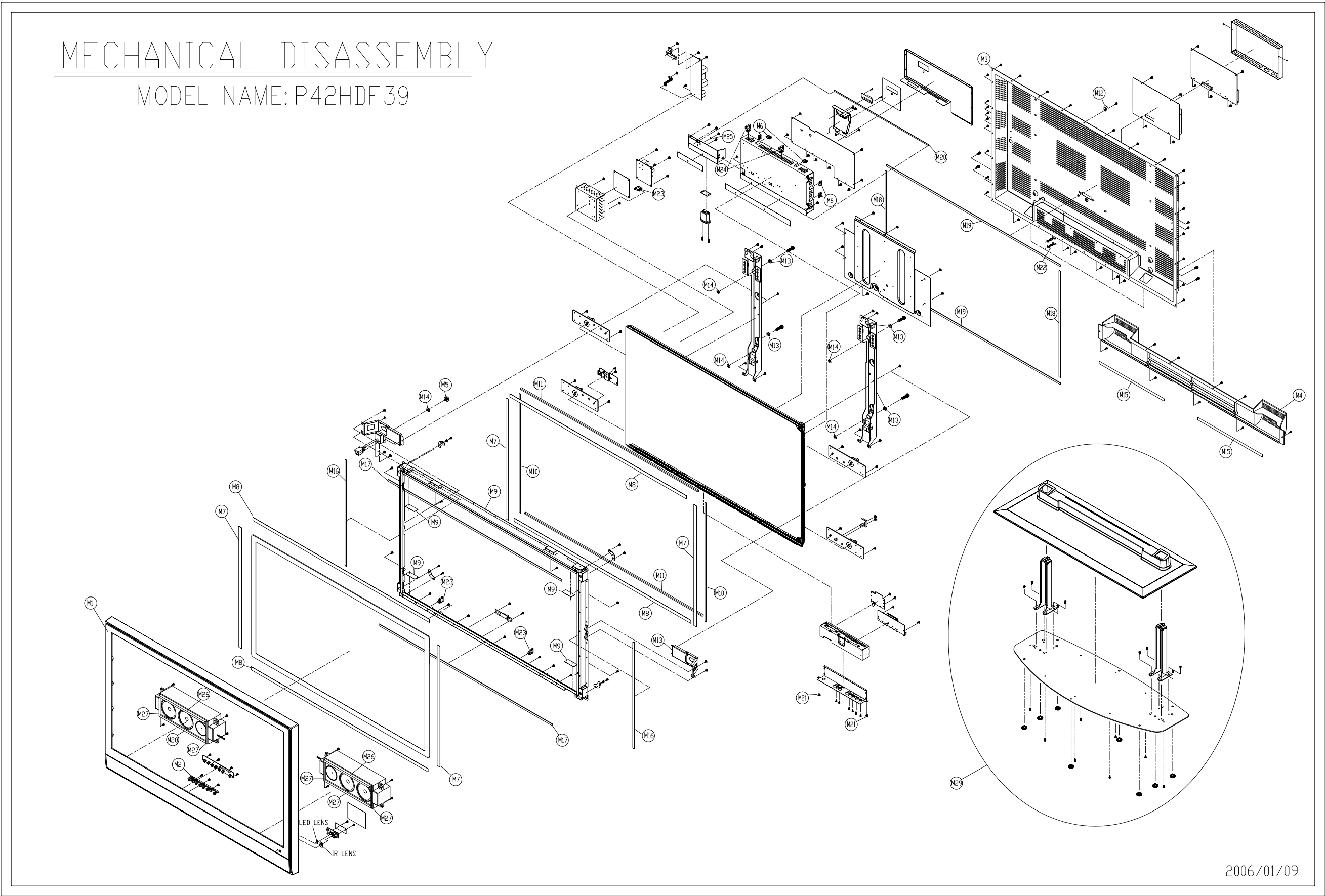


● Power Board



12. Disassembly Diagram

- Mechanical

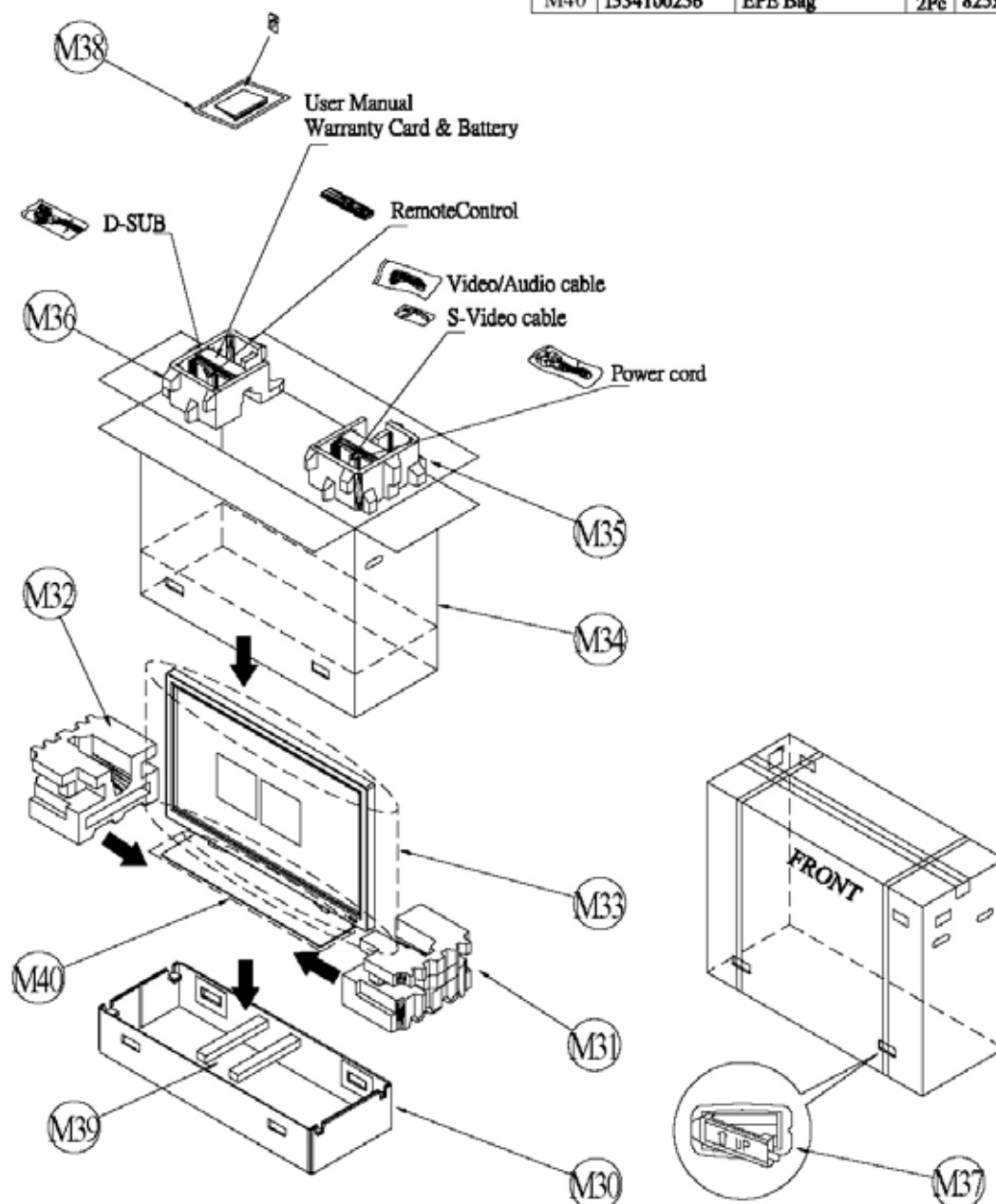


● Packing

PACKAGE EXPLODE DIAGRAM

42HDF39 P42HFHF-UB5

Model	42HDF39 P42HFHF-UB5			
item	Part No.	Parts Name	Q'ty	Remarks
M30	I514104256	Tray	1Pc	
M31	I524100256	EPS Bottom(BR)	1Pc	OPP Tape added
M32	I524100256	EPS Bottom(BL)	1Pc	
M33	I534054356	EPE Bag	1Pc	1350x1200
M34	I514100756	HS Carton	1Pc	
M35	I524100156	EPS Top(TR)	1Pc	
M36	I524100156	EPS Top(TL)	1Pc	
M37	I534100356	Grip Joint	4Pcs	
M38	I533251157	Clip PE Bag	1Pc	240x340
M39	I524100456	EPS Bottom(BM)	2Pc	
M40	I534100256	EPE Bag	2Pc	825x150 (Base Front&Back)



13. Replacement Parts List

● Mechanical & Packing part list

NO.	DESCRIPTION	PART NO.		
M1	Front Cover Ass'y	5096454886		
M2	Function Key	E642851202		
M3	Rear Cover Ass'y	5096154886		
M4	SPK Cover	E641105000		
M5	Power Cap	E641100500		
M6	Edge Saddle	E642678500		
M7	Tape of al foil(25x580)	E648006524		
M8	Tape of al foil(25x980)	E648006525		
M9	Tape of al foil(50x20)	E648006506		
M10	Sponge (570x7x2.5)	E642018222		
M11	Sponge (985x6.5x5.5)	E642018223		
M12	Cable Clamp	E640105200		
M13	Panel Supporter Mylar	E646522200		
M14	Washer	E646522300		
M15	NON-WOVEN FABRICS	E642025810		
M16	GASKET 585X10X1	E642025339		
M17	GASKET 963X10X1	E642025309		
M18	GASKET 624X5X1	E642025316		
M19	GASKET 1025X5X1	E642025315		
M20	GASKET	E642025349		
M21	Special Screw	E640223000		
M22	Wire Saddle	E640104007		
M23	Wire Saddle	E642583500		
M24	Wire Saddle	E642583501		
M25	Washer	E640229301		
M26	SPONGE	E642026417		
M27	SPONGE-SPK	E642026418		
M28	SPONGE-SPK	E642026419		
M29	BASE ASS'Y	5095854857		
M30	Tray	I514104256		
M31	EPS Bottom (BR)	I524100256		
M32	EPS Bottom (BL)	I534054356		
M33	EPE Bag			
M34	HS Carton	I514100756		
M35	EPS Top (TR)	I524100156		
M36	EPS Top (TL)	I534100356		
M37	Grip Joint			

M38	Clip PE Bag	I533251157		
M39	EPS Bottom(BM)	I524100456		
M40	EPE Bag	I534100256		

● Electrical part list

NO.	DESCRIPTION	PART NO.		
	ASSEMBLY PCB-MAIN BOARD (PWB-0891)	5097652009		
	ASSEMBLY PCB-I/O (PWB-0899)	5097651805		
	ASSEMBLY PCB-KEY PAD (PWB-0874)	5097659800		
	ASSEMBLY PCB-KEY IR (PWB-0874)	5097659801		
	ASSEMBLY PCB-RS-232 BOARD (PWB-0832)	5097643008		
	ASSEMBLY PCB-POWER/EMI (PWB-0905)	5097651912		
	ASSEMBLY PCB-AUDIO (PWB-0807)	5097639914		
	ASSEMBLY PCB-AUDIO POWER (PWB-0905)	5097651913		
	ASSEMBLY PCB-CONNECTOR (PWB-0833)	5097642804		
	ASSEMBLY PCB-SPEAKER CONNECTOR (PWB-0906)	5097653206		
	ASSEMBLY PCB-HDMI (PWB-0892)	5097652105		
P301	POWER CORD	E056701000		
P302	D-SUB SIGNAL CABLE	E057315500		
P303	S-VIDEO CABLE	E057304500		
P304	AV CABLE	E057303500		
RM01	REMOTE CONTROLLER	E052731079		
Y001	USER'S MANUAL	E030039028		
Y002	WARRANTY CARD	E030230010		
Y003	QUICK SETUP GUIDE	E030039029		
Y007	WARRANTY CARD (CANADA)	E030230012		
GL01	SCREEN FILTER 42"	5771900152		
H001	TUNER MODULE	5052110027		
J001	QUICK TIE	5071000531		
UA01	ATSC MODULE (w/QAM)	5053911108		
UA02	POWER MODULE	6693006618		
P201	WIRE ASSEMBLY W2/2P	E057402005		
P203	WIRE ASSEMBLY W11/10P	E057411001		
P204	WIRE ASSEMBLY W31/30P	E057431012		
P205	WIRE ASSEMBLY W10/10P	E057410010		
P206	WIRE ASSEMBLY W20/20P	E057420004		
P207	FFC 50P+AI	E784650506		
P208	WIRE ASSEMBLY W9/9P	E057409002		
P209	WIRE ASSEMBLY W4/4P	E057404009		
P211	WIRE ASSEMBLY W5/5P	E057405008		
P212	WIRE ASSEMBLY W5/5P	E057405011		
P215	WIRE ASSEMBLY	E057401009		
P811	WIRE ASSEMBLY	E057401008		
P813	WIRE ASSEMBLY W3/2P	E057403015		
P814	WIRE ASSEMBLY W3/3P	E057403016		

P9001A	WIRE ASSEMBLY W8/8P	E057408006		
P9003A	WIRE ASSEMBLY W4/4P	E057404011		
S811	POWER SWITCH PANASONIC	E054501008		
SP01	SPEAKER BOX ASSEMBLY	E055100002		
T811	EMI FILTER SOCKET TYPE DIT	E061133007		
T811A	HEATED SHRINK TUBE	E075500001		
g	CABLE LOGIC-ABUSL A3(FPF29R-CBL001401)	5000100119		
h	CABLE LOGIC-XSUS A3(FPF29R-CBL001411)	5000100120		
i	CABLE LOGIC-YSUS A3(FPF29R-CBL001412)	5000100121		
j	CABLE LOGIC-ABUSR A3(FPF29R-CBL001421)	5000100122		
k	CABLE XSUS-YSUS A3(FPF29R-CBL003601)	5000100123		
l	CABLE XSUS-ABUSR A3(FPF29R-CBL003701)	5000100124		

Part Numbers for Boards and Assemblies

FPF29R-ABL0030 ABUS-L PWB
 FPF29R-ABR0031 ABUS-R PWB
 FPF29R-LGC0057 LOGIC PWB
 FPF29R-XSS0037 X-SUS PWB
 FPF29R-YSS0038 Y-SUS PWB
 FPF42C128128UE5 PDP Panel
 5052110027 TUNER MODULE
 5053911108 ATSC MODULE (w/QAM)
 5097639914 ASSEMBLY PCB-AUDIO
 5097642804 PWB ASS'Y CONNECTOR
 5097643008 ASSEMBLY PCB-RS-232 BOARD
 5097651805 ASSEMBLY PCB-I/O
 5097651912 ASSEMBLY PCB-POWER/EMI
 5097651913 ASSEMBLY PCB-AUDIO POWER
 5097652009 ASSEMBLY PCB-MAIN BOARD
 5097652105 ASSEMBLY PCB-HDMI
 5097653206 ASSEMBLY PCB-SPEAKER CONNECTOR
 5097659800 ASSEMBLY PCB-KEY PAD
 5097659801 ASSEMBLY PCB-KEY IR
 5771900152 SCREEN FILTER 42"
 6693006618 POWER MODULE